



The Initial Valuation For  
**Warren County**  
as of May 31, 2024



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July 19, 2024

Warren County  
Warrenton, Missouri

Ladies and Gentlemen:

Submitted in this report are the results of the actuarial valuation prepared to determine the employer contribution rates required to support, for your employees, the benefits provided by the Missouri Local Government Employees Retirement System (LAGERS). This report contains the information needed to comply with Missouri State disclosure requirements regarding the adoption of LAGERS benefits by a political subdivision (Sections 105.660 - 106.685 RSMo). This report should not be relied on for any purpose other than the purposes described herein. Determinations of financial results, associated with the benefits described in this report, for purposes other than those identified above may be significantly different.

This report was prepared at the request of the political subdivision and is intended for use by the political subdivision and those designated or approved by the political subdivision. This report may be provided to parties other than the political subdivision only in its entirety and only with the permission of the political subdivision. GRS is not responsible for unauthorized use of this report.

The contribution requirement for benefits likely to accrue as a result of the future service of your employees is described on pages 4 thru 7 as the current cost plus the disability cost. This contribution rate, expressed as a percent of active employee payroll, will depend on the benefit program adopted.

The contribution requirement to pay for benefits likely to result from service rendered by your employees before you join LAGERS is described on pages 4 thru 7 as the prior service cost rate. The value established for prior service is called the unfunded actuarial accrued liability (these amounts are further described in Appendix I). The prior service cost rate is the rate of contribution designed to pay for the unfunded actuarial accrued liability over a period of not more than 30 years.

Section 70.730 of the Revised Statutes of Missouri requires participating employers to contribute the normal cost rate, casualty rate, and prior service cost rate (the total employer contribution rate as shown on pages 4 thru 7). These contributions are mandatory after official action has been taken to join the System.

The total annual dollar costs shown on pages 8 thru 10 represent the dollar cost of each benefit program for a one year period based on the payroll reported for this actuarial valuation. In budgeting amounts for LAGERS contributions you should consider any changes in payroll which have been made since data was submitted for the valuation and any changes anticipated to be made before the end of the period for which you are preparing the budget.

The actuarial assumptions and methods used to determine the stated costs are described in Appendix II of this report. In our opinion, they do produce results which, in the aggregate, are reasonable. Additional miscellaneous and technical assumptions as well as disclosures required by the actuarial standards of practice may be found in the LAGERS Compiled Annual Actuarial Valuation report as of February 29, 2024.

July 19, 2024

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The computed contributions required for LAGERS participation will permit the System to continue to operate in accordance with the actuarial principles of level cost financing and the State law which governs LAGERS. This valuation assumed the ability of the plan sponsor to make the contributions necessary to fund this plan. A determination regarding whether or not the plan sponsor is actually able to do so is outside our expertise and not performed. Summary provisions of the law as well as benefit illustrations can be found in Appendices III and IV.

Projections needed to comply with Missouri State disclosure requirements (Section 105.665 of the RSMo) regarding the adoption of LAGERS benefits by a political subdivision are available upon request from LAGERS.

Please note that this entire report must be available as public information for at least 45 calendar days prior to the date final official action is taken by your governing body to join the System. You may wish to make notice of this report in the official minutes of the next meeting of your governing body. This action would not be binding on your subdivision, yet would establish the beginning date of the 45 day waiting period.

In accordance with LAGERS Board policy, the employer contribution rates established by this valuation report are valid for purposes of joining the System for a two year period from the date of this valuation which was May 31, 2024. The valuation was based on data furnished from your records concerning individual employees (see Appendix V).

This report includes risk commentary in Appendix VI, but does not include a more robust assessment of the risks of future experience not meeting the actuarial assumptions. Additional assessment of risks was outside the scope of this assignment.

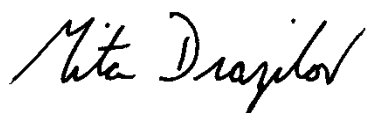
If you have any questions concerning this report or LAGERS in general, please contact the LAGERS office in Jefferson City.

This report has been prepared by actuaries who have substantial experience valuing public employee retirement systems. To the best of our knowledge the information contained in this report is accurate and fairly presents the actuarial position of the political subdivision as of the valuation date. All calculations have been made in conformity with generally accepted actuarial principles and practices, with the actuarial standards of practice issued by the Actuarial Standards Board, and with applicable statutes.

Mita D. Drazilov is a member of the American Academy of Actuaries and meets the Qualification Standards of the Academy of Actuaries to render the actuarial opinions contained herein.

The signing actuary is independent of the plan sponsor.

Respectfully submitted,  
Gabriel, Roeder, Smith & Company



Mita D. Drazilov, ASA, FCA, MAAA



## Alternate Plan Provisions Affecting Employer Contribution Rates

The law governing LAGERS provides for a member contribution rate of either 0%, 2%, 4% or 6%, with benefits based on either a 5 year or 3 year Final Average Salary (FAS).

**Member Contribution Rate - 0% Plan.** Under the 0% plan, there is no individual employee contribution to the plan, no individual account maintained for each employee, and no refund paid to employees who terminate before being eligible for a benefit.

**Member Contribution Rate - 2%, 4% or 6% Plan.** Under any plan other than 0%, each covered member contributes a percentage of compensation to LAGERS. If an employee terminates before being eligible for an immediate benefit, the member's contributions, plus any interest credited to the member's individual account, are refunded upon request.

The law further provides for nine different benefit programs (benefit formula factors) and allows an employer to elect "rule of 80" eligibility for benefits. Under the rule of 80, employees are eligible for unreduced benefits at the earlier of (i) attainment of their minimum service retirement age or (ii) such time as their years of age plus years of LAGERS credited service equals 80.

In total this allows for 144 different combinations of benefit plans, giving employers considerable latitude in designing the retirement program which they feel best suits their particular situation.

The applicable combinations of these items may be changed from time to time, however, there are limitations on the frequency of changes. A more detailed description of plan provisions may be found in Appendix III of this report.

# Warren County

## Employer Contribution Rates 5 Year FAS - Regular Retirement Eligibility

Benefit Program	Employee Groups	Percents of Active Member Payroll						
		Normal Cost Rate	Casualty Rate	Prior Service Cost Rate *	Total Employer Contribution Rate Based Upon the Following Member Contribution Rates			
					0%	2%	4%	6%
L-1	General	7.40%	0.20%	0.60%	8.20%	6.30%	4.40%	2.50%
	Police	7.10	0.40	1.20	8.70	6.80	4.90	3.00
	Public Safety	7.10	0.20	0.70	8.00	6.10	4.20	2.30
L-3	General	9.10	0.30	0.80	10.20	8.30	6.40	4.50
	Police	8.60	0.50	1.50	10.60	8.70	6.80	4.90
	Public Safety	8.60	0.30	0.80	9.70	7.80	5.90	4.00
LT-4(65)	General	8.00	0.20	0.60	8.80	6.90	5.00	3.10
	Police	8.50	0.40	1.50	10.40	8.50	6.60	4.70
	Public Safety	8.50	0.20	0.80	9.50	7.60	5.70	3.80
LT-5(65)	General	9.50	0.30	0.80	10.60	8.70	6.80	4.90
	Police	9.70	0.50	1.80	12.00	10.10	8.20	6.30
	Public Safety	9.70	0.30	1.00	11.00	9.10	7.20	5.30
L-7	General	10.70	0.30	0.90	11.90	10.00	8.10	6.20
	Police	10.10	0.60	1.80	12.50	10.60	8.70	6.80
	Public Safety	10.20	0.30	1.00	11.50	9.60	7.70	5.80
LT-8(65)	General	11.00	0.30	0.90	12.20	10.30	8.40	6.50
	Police	10.80	0.60	2.00	13.40	11.50	9.60	7.70
	Public Safety	10.90	0.30	1.10	12.30	10.40	8.50	6.60
L-12	General	12.40	0.40	1.10	13.90	12.00	10.10	8.20
	Police	11.70	0.70	2.10	14.50	12.60	10.70	8.80
	Public Safety	11.70	0.40	1.20	13.30	11.40	9.50	7.60
LT-14(65)	General	12.50	0.40	1.10	14.00	12.10	10.20	8.30
	Police	12.00	0.70	2.20	14.90	13.00	11.10	9.20
	Public Safety	12.10	0.40	1.20	13.70	11.80	9.90	8.00
L-6	General	14.00	0.50	1.20	15.70	13.80	11.90	10.00
	Police	13.20	0.80	2.40	16.40	14.50	12.60	10.70
	Public Safety	13.30	0.50	1.30	15.10	13.20	11.30	9.40

\* Prior service credit was given for vesting purposes only.

The total employer contribution rate for each member contribution rate option shown above includes the prior service cost rate, casualty rate and corresponding normal cost rate. The prior service cost rate is the cost associated with paying off the unfunded actuarial accrued liability (past service). The normal cost rate plus the casualty rate is the cost of members' service being rendered each year (future service). For purposes of this initial valuation, the total employer contribution rate for the 0% member contribution rate plan is decreased by 1.9%, 3.8% and 5.7% for the 2%, 4% and 6% member contribution rate plans, respectively.

# Warren County

## Employer Contribution Rates 3 Year FAS - Regular Retirement Eligibility

Benefit Program	Employee Groups	Percents of Active Member Payroll						
		Normal Cost Rate	Casualty Rate	Prior Service Cost Rate *	Total Employer Contribution Rate Based Upon the Following Member Contribution Rates			
					0%	2%	4%	6%
L-1	General	7.70%	0.20%	0.60%	8.50%	6.60%	4.70%	2.80%
	Police	7.30	0.40	1.20	8.90	7.00	5.10	3.20
	Public Safety	7.30	0.20	0.70	8.20	6.30	4.40	2.50
L-3	General	9.40	0.30	0.80	10.50	8.60	6.70	4.80
	Police	8.90	0.50	1.60	11.00	9.10	7.20	5.30
	Public Safety	8.90	0.30	0.90	10.10	8.20	6.30	4.40
LT-4(65)	General	8.30	0.20	0.60	9.10	7.20	5.30	3.40
	Police	8.70	0.40	1.60	10.70	8.80	6.90	5.00
	Public Safety	8.70	0.20	0.90	9.80	7.90	6.00	4.10
LT-5(65)	General	9.80	0.30	0.80	10.90	9.00	7.10	5.20
	Police	10.00	0.50	1.80	12.30	10.40	8.50	6.60
	Public Safety	10.00	0.30	1.00	11.30	9.40	7.50	5.60
L-7	General	11.00	0.30	0.90	12.20	10.30	8.40	6.50
	Police	10.50	0.60	1.90	13.00	11.10	9.20	7.30
	Public Safety	10.50	0.30	1.00	11.80	9.90	8.00	6.10
LT-8(65)	General	11.30	0.30	0.90	12.50	10.60	8.70	6.80
	Police	11.20	0.60	2.00	13.80	11.90	10.00	8.10
	Public Safety	11.20	0.30	1.10	12.60	10.70	8.80	6.90
L-12	General	12.70	0.40	1.10	14.20	12.30	10.40	8.50
	Police	12.10	0.70	2.20	15.00	13.10	11.20	9.30
	Public Safety	12.10	0.40	1.20	13.70	11.80	9.90	8.00
LT-14(65)	General	12.90	0.40	1.10	14.40	12.50	10.60	8.70
	Police	12.50	0.70	2.30	15.50	13.60	11.70	9.80
	Public Safety	12.50	0.40	1.30	14.20	12.30	10.40	8.50
L-6	General	14.40	0.50	1.20	16.10	14.20	12.30	10.40
	Police	13.70	0.80	2.50	17.00	15.10	13.20	11.30
	Public Safety	13.70	0.50	1.40	15.60	13.70	11.80	9.90

\* Prior service credit was given for vesting purposes only.

The total employer contribution rate for each member contribution rate option shown above includes the prior service cost rate, casualty rate and corresponding normal cost rate. The prior service cost rate is the cost associated with paying off the unfunded actuarial accrued liability (past service). The normal cost rate plus the casualty rate is the cost of members' service being rendered each year (future service). For purposes of this initial valuation, the total employer contribution rate for the 0% member contribution rate plan is decreased by 1.9%, 3.8% and 5.7% for the 2%, 4% and 6% member contribution rate plans, respectively.

# Warren County

## Employer Contribution Rates 5 Year FAS - Rule of 80 Retirement Eligibility#

Benefit Program	Employee Groups	Percents of Active Member Payroll						
		Normal Cost Rate	Casualty Rate	Prior Service Cost Rate *	Total Employer Contribution Rate Based Upon the Following Member Contribution Rates			
					0%	2%	4%	6%
L-1	General	7.60%	0.20%	0.60%	8.40%	6.50%	4.60%	2.70%
	Police	7.30	0.40	1.20	8.90	7.00	5.10	3.20
	Public Safety	7.30	0.20	0.70	8.20	6.30	4.40	2.50
L-3	General	9.30	0.30	0.70	10.30	8.40	6.50	4.60
	Police	8.80	0.50	1.50	10.80	8.90	7.00	5.10
	Public Safety	8.90	0.30	0.90	10.10	8.20	6.30	4.40
LT-4(65)	General	8.40	0.20	0.60	9.20	7.30	5.40	3.50
	Police	8.90	0.40	1.60	10.90	9.00	7.10	5.20
	Public Safety	9.00	0.20	0.90	10.10	8.20	6.30	4.40
LT-5(65)	General	9.90	0.30	0.70	10.90	9.00	7.10	5.20
	Police	10.10	0.50	1.80	12.40	10.50	8.60	6.70
	Public Safety	10.10	0.30	1.00	11.40	9.50	7.60	5.70
L-7	General	11.00	0.30	0.90	12.20	10.30	8.40	6.50
	Police	10.40	0.60	1.80	12.80	10.90	9.00	7.10
	Public Safety	10.50	0.30	1.00	11.80	9.90	8.00	6.10
LT-8(65)	General	11.30	0.30	0.90	12.50	10.60	8.70	6.80
	Police	11.30	0.60	2.00	13.90	12.00	10.10	8.20
	Public Safety	11.30	0.30	1.10	12.70	10.80	8.90	7.00
L-12	General	12.60	0.40	1.00	14.00	12.10	10.20	8.30
	Police	12.00	0.70	2.10	14.80	12.90	11.00	9.10
	Public Safety	12.10	0.40	1.20	13.70	11.80	9.90	8.00
LT-14(65)	General	12.80	0.40	1.00	14.20	12.30	10.40	8.50
	Police	12.40	0.70	2.20	15.30	13.40	11.50	9.60
	Public Safety	12.50	0.40	1.30	14.20	12.30	10.40	8.50
L-6	General	14.30	0.50	1.10	15.90	14.00	12.10	10.20
	Police	13.60	0.80	2.40	16.80	14.90	13.00	11.10
	Public Safety	13.70	0.50	1.40	15.60	13.70	11.80	9.90

# The cost for the Rule of 80 provision is very dependent upon the age at hire of the employees. If hiring practices in the future differ from those of the past, the cost for this provision could increase or decrease. The cost shown is based on the age and service characteristics of the present group.

\* Prior service credit was given for vesting purposes only.

The total employer contribution rate for each member contribution rate option shown above includes the prior service cost rate, casualty rate and corresponding normal cost rate. The prior service cost rate is the cost associated with paying off the unfunded actuarial accrued liability (past service). The normal cost rate plus the casualty rate is the cost of members' service being rendered each year (future service). For purposes of this initial valuation, the total employer contribution rate for the 0% member contribution rate plan is decreased by 1.9%, 3.8% and 5.7% for the 2%, 4% and 6% member contribution rate plans, respectively.



# Warren County

## Employer Contribution Rates 3 Year FAS - Rule of 80 Retirement Eligibility#

Benefit Program	Employee Groups	Percents of Active Member Payroll						
		Normal Cost Rate	Casualty Rate	Prior Service Cost Rate *	Total Employer Contribution Rate Based Upon the Following Member Contribution Rates			
					0%	2%	4%	6%
L-1	General	7.80%	0.20%	0.60%	8.60%	6.70%	4.80%	2.90%
	Police	7.50	0.40	1.30	9.20	7.30	5.40	3.50
	Public Safety	7.50	0.20	0.70	8.40	6.50	4.60	2.70
L-3	General	9.60	0.30	0.70	10.60	8.70	6.80	4.90
	Police	9.10	0.50	1.60	11.20	9.30	7.40	5.50
	Public Safety	9.20	0.30	0.90	10.40	8.50	6.60	4.70
LT-4(65)	General	8.60	0.20	0.60	9.40	7.50	5.60	3.70
	Police	9.30	0.40	1.70	11.40	9.50	7.60	5.70
	Public Safety	9.30	0.20	0.90	10.40	8.50	6.60	4.70
LT-5(65)	General	10.20	0.30	0.80	11.30	9.40	7.50	5.60
	Police	10.50	0.50	1.90	12.90	11.00	9.10	7.20
	Public Safety	10.50	0.30	1.10	11.90	10.00	8.10	6.20
L-7	General	11.30	0.30	0.90	12.50	10.60	8.70	6.80
	Police	10.80	0.60	1.90	13.30	11.40	9.50	7.60
	Public Safety	10.90	0.30	1.10	12.30	10.40	8.50	6.60
LT-8(65)	General	11.70	0.30	0.90	12.90	11.00	9.10	7.20
	Police	11.70	0.60	2.10	14.40	12.50	10.60	8.70
	Public Safety	11.70	0.30	1.20	13.20	11.30	9.40	7.50
L-12	General	13.00	0.40	1.00	14.40	12.50	10.60	8.70
	Police	12.40	0.70	2.20	15.30	13.40	11.50	9.60
	Public Safety	12.50	0.40	1.30	14.20	12.30	10.40	8.50
LT-14(65)	General	13.20	0.40	1.00	14.60	12.70	10.80	8.90
	Police	12.90	0.70	2.30	15.90	14.00	12.10	10.20
	Public Safety	12.90	0.40	1.30	14.60	12.70	10.80	8.90
L-6	General	14.70	0.50	1.20	16.40	14.50	12.60	10.70
	Police	14.10	0.80	2.50	17.40	15.50	13.60	11.70
	Public Safety	14.20	0.50	1.40	16.10	14.20	12.30	10.40

# The cost for the Rule of 80 provision is very dependent upon the age at hire of the employees. If hiring practices in the future differ from those of the past, the cost for this provision could increase or decrease. The cost shown is based on the age and service characteristics of the present group.

\* Prior service credit was given for vesting purposes only.

The total employer contribution rate for each member contribution rate option shown above includes the prior service cost rate, casualty rate and corresponding normal cost rate. The prior service cost rate is the cost associated with paying off the unfunded actuarial accrued liability (past service). The normal cost rate plus the casualty rate is the cost of members' service being rendered each year (future service). For purposes of this initial valuation, the total employer contribution rate for the 0% member contribution rate plan is decreased by 1.9%, 3.8% and 5.7% for the 2%, 4% and 6% member contribution rate plans, respectively.

# Warren County

## Employer Contribution Dollars General

Employer contributions are payable monthly, and each month's actual dollar contribution will be the contribution percent multiplied by the payroll during the month. If payroll during your first year of LAGERS participation equals the annual payroll reported for this valuation, the approximate employer dollar contribution for the year would be as follows:

### Regular Retirement Eligibility

Benefit Program	5 Year FAS			
	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 255,683	\$ 196,440	\$ 137,196	\$ 77,952
L-3	318,045	258,801	199,558	140,314
LT-4(65)	274,392	215,148	155,904	96,661
LT-5(65)	330,517	271,274	212,030	152,786
L-7	371,053	311,809	252,565	193,322
LT-8(65)	380,407	321,163	261,919	202,676
L-12	433,414	374,171	314,927	255,683
LT-14(65)	436,532	377,289	318,045	258,801
L-6	489,540	430,296	371,053	311,809

Benefit Program	3 Year FAS			
	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 265,038	\$ 205,794	\$ 146,550	\$ 87,306
L-3	327,399	268,156	208,912	149,668
LT-4(65)	283,746	224,502	165,259	106,015
LT-5(65)	339,872	280,628	221,384	162,141
L-7	380,407	321,163	261,919	202,676
LT-8(65)	389,761	330,517	271,274	212,030
L-12	442,769	383,525	324,281	265,038
LT-14(65)	449,005	389,761	330,517	271,274
L-6	502,012	442,769	383,525	324,281

### Rule of 80 Retirement Eligibility

Benefit Program	5 Year FAS			
	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 261,919	\$ 202,676	\$ 143,432	\$ 84,188
L-3	321,163	261,919	202,676	143,432
LT-4(65)	286,864	227,620	168,377	109,133
LT-5(65)	339,872	280,628	221,384	162,141
L-7	380,407	321,163	261,919	202,676
LT-8(65)	389,761	330,517	271,274	212,030
L-12	436,532	377,289	318,045	258,801
LT-14(65)	442,769	383,525	324,281	265,038
L-6	495,776	436,532	377,289	318,045

Benefit Program	3 Year FAS			
	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 268,156	\$ 208,912	\$ 149,668	\$ 90,425
L-3	330,517	271,274	212,030	152,786
LT-4(65)	293,100	233,857	174,613	115,369
LT-5(65)	352,344	293,100	233,857	174,613
L-7	389,761	330,517	271,274	212,030
LT-8(65)	402,233	342,990	283,746	224,502
L-12	449,005	389,761	330,517	271,274
LT-14(65)	455,241	395,997	336,754	277,510
L-6	511,367	452,123	392,879	333,636

PLEASE NOTE THAT THE ABOVE INFORMATION IS BASED ON THE PERSONNEL AND PAYROLL DATA SUBMITTED FOR THE ACTUARIAL VALUATION. IN BUDGETING AMOUNTS FOR LAGERS CONTRIBUTIONS YOU SHOULD CONSIDER ANY CHANGES WHICH HAVE BEEN MADE SINCE DATA WAS SUBMITTED FOR THE VALUATION AND ANY CHANGES ANTICIPATED TO BE MADE BEFORE THE END OF THE PERIOD FOR WHICH YOU ARE PREPARING THE BUDGET.

# Warren County

## Employer Contribution Dollars Police

Employer contributions are payable monthly, and each month's actual dollar contribution will be the contribution percent multiplied by the payroll during the month. If payroll during your first year of LAGERS participation equals the annual payroll reported for this valuation, the approximate employer dollar contribution for the year would be as follows:

### Regular Retirement Eligibility

5 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 190,550	\$ 148,936	\$ 107,321	\$ 65,707
L-3	232,164	190,550	148,936	107,321
LT-4(65)	227,784	186,170	144,555	102,941
LT-5(65)	262,828	221,213	179,599	137,985
L-7	273,779	232,164	190,550	148,936
LT-8(65)	293,491	251,877	210,262	168,648
L-12	317,583	275,969	234,355	192,740
LT-14(65)	326,344	284,730	243,116	201,501
L-6	359,198	317,583	275,969	234,355

3 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 194,931	\$ 153,316	\$ 111,702	\$ 70,087
L-3	240,925	199,311	157,697	116,082
LT-4(65)	234,355	192,740	151,126	109,512
LT-5(65)	269,398	227,784	186,170	144,555
L-7	284,730	243,116	201,501	159,887
LT-8(65)	302,252	260,637	219,023	177,409
L-12	328,535	286,920	245,306	203,691
LT-14(65)	339,486	297,871	256,257	214,643
L-6	372,339	330,725	289,110	247,496

### Rule of 80 Retirement Eligibility

5 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 194,931	\$ 153,316	\$ 111,702	\$ 70,087
L-3	236,545	194,931	153,316	111,702
LT-4(65)	238,735	197,121	155,506	113,892
LT-5(65)	271,589	229,974	188,360	146,745
L-7	280,350	238,735	197,121	155,506
LT-8(65)	304,442	262,828	221,213	179,599
L-12	324,154	282,540	240,925	199,311
LT-14(65)	335,105	293,491	251,877	210,262
L-6	367,959	326,344	284,730	243,116

3 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 201,501	\$ 159,887	\$ 118,272	\$ 76,658
L-3	245,306	203,691	162,077	120,463
LT-4(65)	249,686	208,072	166,458	124,843
LT-5(65)	282,540	240,925	199,311	157,697
L-7	291,301	249,686	208,072	166,458
LT-8(65)	315,393	273,779	232,164	190,550
L-12	335,105	293,491	251,877	210,262
LT-14(65)	348,247	306,632	265,018	223,404
L-6	381,100	339,486	297,871	256,257

PLEASE NOTE THAT THE ABOVE INFORMATION IS BASED ON THE PERSONNEL AND PAYROLL DATA SUBMITTED FOR THE ACTUARIAL VALUATION. IN BUDGETING AMOUNTS FOR LAGERS CONTRIBUTIONS YOU SHOULD CONSIDER ANY CHANGES WHICH HAVE BEEN MADE SINCE DATA WAS SUBMITTED FOR THE VALUATION AND ANY CHANGES ANTICIPATED TO BE MADE BEFORE THE END OF THE PERIOD FOR WHICH YOU ARE PREPARING THE BUDGET.

# Warren County

## Employer Contribution Dollars Public Safety

Employer contributions are payable monthly, and each month's actual dollar contribution will be the contribution percent multiplied by the payroll during the month. If payroll during your first year of LAGERS participation equals the annual payroll reported for this valuation, the approximate employer dollar contribution for the year would be as follows:

### Regular Retirement Eligibility

5 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 84,974	\$ 64,792	\$ 44,611	\$ 24,430
L-3	103,031	82,849	62,668	42,487
LT-4(65)	100,906	80,725	60,544	40,362
LT-5(65)	116,839	96,658	76,476	56,295
L-7	122,150	101,968	81,787	61,606
LT-8(65)	130,647	110,466	90,285	70,103
L-12	141,269	121,087	100,906	80,725
LT-14(65)	145,517	125,336	105,155	84,974
L-6	160,388	140,207	120,025	99,844

3 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 87,098	\$ 66,917	\$ 46,736	\$ 26,554
L-3	107,279	87,098	66,917	46,736
LT-4(65)	104,093	83,912	63,730	43,549
LT-5(65)	120,025	99,844	79,663	59,482
L-7	125,336	105,155	84,974	64,792
LT-8(65)	133,834	113,652	93,471	73,290
L-12	145,517	125,336	105,155	84,974
LT-14(65)	150,828	130,647	110,466	90,285
L-6	165,699	145,517	125,336	105,155

### Rule of 80 Retirement Eligibility

5 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 87,098	\$ 66,917	\$ 46,736	\$ 26,554
L-3	107,279	87,098	66,917	46,736
LT-4(65)	107,279	87,098	66,917	46,736
LT-5(65)	121,087	100,906	80,725	60,544
L-7	125,336	105,155	84,974	64,792
LT-8(65)	134,896	114,714	94,533	74,352
L-12	145,517	125,336	105,155	84,974
LT-14(65)	150,828	130,647	110,466	90,285
L-6	165,699	145,517	125,336	105,155

3 Year FAS				
Benefit Program	Member Contribution Rate			
	0%	2%	4%	6%
L-1	\$ 89,222	\$ 69,041	\$ 48,860	\$ 28,679
L-3	110,466	90,285	70,103	49,922
LT-4(65)	110,466	90,285	70,103	49,922
LT-5(65)	126,398	106,217	86,036	65,855
L-7	130,647	110,466	90,285	70,103
LT-8(65)	140,207	120,025	99,844	79,663
L-12	150,828	130,647	110,466	90,285
LT-14(65)	155,077	134,896	114,714	94,533
L-6	171,010	150,828	130,647	110,466

PLEASE NOTE THAT THE ABOVE INFORMATION IS BASED ON THE PERSONNEL AND PAYROLL DATA SUBMITTED FOR THE ACTUARIAL VALUATION. IN BUDGETING AMOUNTS FOR LAGERS CONTRIBUTIONS YOU SHOULD CONSIDER ANY CHANGES WHICH HAVE BEEN MADE SINCE DATA WAS SUBMITTED FOR THE VALUATION AND ANY CHANGES ANTICIPATED TO BE MADE BEFORE THE END OF THE PERIOD FOR WHICH YOU ARE PREPARING THE BUDGET.

# Warren County

## Employees and Payroll Included in the Valuation

	General	Police	Public Safety
Number of Employees	62	35	23
Annual Payroll	\$ 3,118,089	\$ 2,190,231	\$ 1,062,171

Information regarding the age and service characteristics of the employees is contained in Appendix V.

## **APPENDIX I**

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### **UNFUNDED ACTUARIAL ACCRUED LIABILITY**

## Unfunded Actuarial Accrued Liability (UAAL)

If the decision is made to join LAGERS the governing body also must decide how much credit to grant employees for their service before the membership date. The options are to cover 25%, 50%, 75% or 100% of prior service. The granting of prior service credit results in the establishment of an actuarial accrued liability. Because your political subdivision will not have established an asset balance with the System as of the membership date, the value established for prior service is an unfunded actuarial accrued liability.

The policy of the LAGERS Board of Trustees provides that unfunded liabilities are to be paid for by level percent of payroll contributions over a period of 30 years. The contribution rates shown on pages 4 through 7 as the "Prior Service Cost Rate" are designed to pay for the applicable unfunded actuarial accrued liability. This procedure will allow your political subdivision to retire the unfunded actuarial accrued liability in an orderly fashion over a period of years without the need for an immediate large payment upon joining the System.

Should the governing body elect to grant credit for 100% of the employees' prior service, the unfunded actuarial accrued liability as of the date of this valuation would be as follows:

### Warren County

#### Regular Retirement Eligibility

Benefit Group	Employee Group	Member Contribution Rate - 0%	
		UAAL (5 Year FAS)	UAAL (3 Year FAS)
L-1	General	\$ 322,718	\$ 332,430
	Police	454,166	468,501
	Public Safety	121,916	125,973
L-3	General	403,442	415,463
	Police	567,719	585,539
	Public Safety	152,345	157,423
LT-4(65)	General	326,201	335,989
	Police	573,503	592,086
	Public Safety	151,846	157,051
LT-5(65)	General	406,016	418,164
	Police	657,253	678,251
	Public Safety	174,873	180,705
L-7	General	484,045	498,558
	Police	681,262	702,711
	Public Safety	182,836	188,912
LT-8(65)	General	485,807	500,414
	Police	740,922	764,451
	Public Safety	197,805	204,473
L-12	General	564,779	581,636
	Police	794,826	819,734
	Public Safety	213,270	220,395
LT-14(65)	General	565,640	582,601
	Police	824,615	850,664
	Public Safety	220,804	228,155
L-6	General	645,456	664,852
	Police	908,328	936,964
	Public Safety	243,773	251,852

# Warren County

## Unfunded Actuarial Accrued Liability (UAAL)

### Rule of 80 Retirement Eligibility

Benefit Group	Employee Group	Member Contribution Rate - 0%	
		UAAL (5 Year FAS)	UAAL (3 Year FAS)
L-1	General	\$ 307,071	\$ 316,470
	Police	454,902	469,625
	Public Safety	125,965	130,220
L-3	General	383,838	395,515
	Police	568,635	586,971
	Public Safety	157,447	162,831
LT-4(65)	General	317,793	327,553
	Police	606,862	627,038
	Public Safety	165,159	170,880
LT-5(65)	General	391,931	403,834
	Police	682,558	705,041
	Public Safety	186,857	193,312
L-7	General	460,593	474,567
	Police	682,316	704,450
	Public Safety	188,914	195,396
LT-8(65)	General	465,965	480,176
	Police	758,271	783,128
	Public Safety	208,476	215,694
L-12	General	537,379	553,665
	Police	796,078	821,738
	Public Safety	220,370	227,962
LT-14(65)	General	540,097	556,483
	Police	834,020	861,098
	Public Safety	230,185	238,063
L-6	General	614,084	632,816
	Police	909,741	939,286
	Public Safety	251,902	260,483



## **APPENDIX II**

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### **SUMMARY OF FINANCIAL ASSUMPTIONS**

# Summary of Assumptions Used in Actuarial Valuations

## Assumptions Adopted by Board of Trustees After Consulting With Actuary

1. The investment return rate used in making the valuations was 7.00% per year, net of investment expenses, compounded annually. This rate of return is not the assumed real rate of return. The real rate of return is the rate of investment return in excess of the inflation rate. The price inflation rate used in making the valuations was 2.25% and the wage inflation rate used in making the valuations was 2.75%. The 7.00% investment return rate translates to an assumed real rate of return over price inflation of 4.75% and over wage inflation of 4.25%. Adopted 2021.
2. The healthy retiree mortality tables, for post-retirement mortality, used in evaluating allowances to be paid were 115% of the PubG-2010 Retiree Mortality Table for males and females. The disabled retiree mortality tables, for post-retirement mortality, used in evaluating allowances to be paid were 115% of the PubNS-2010 Disabled Retiree Mortality Table for males and females. The pre-retirement mortality tables used were 75% of the PubG-2010 Employee Mortality Table for males and females of General groups and 75% of the PubS-2010 Employee Mortality Table for males and females of Police, Fire and Public Safety groups. Mortality rates for a particular calendar year are determined by applying the MP-2020 mortality improvement scale to the above described tables. Adopted 2021.
3. The probabilities of withdrawal and disability from service, together with individual pay increase assumptions, are shown in Schedule 1. Adopted 2021.
4. The probabilities of retirement with an age and service allowance are shown in Schedule 2. Adopted 2021.
5. Post-retirement cost of living allowances are assumed to be 2.00% per year. Adopted 2021.
6. Total active member payroll is assumed to increase 2.75% a year, which is the portion of the individual pay increase assumptions attributable to wage inflation. In effect, this assumes no change in the number of active members per employer. Adopted 2021.
7. An individual entry-age actuarial cost method of valuation was used in determining age and service allowance actuarial liabilities and normal cost. Adopted 1986.
8. The data about persons now covered was furnished by the political subdivision. Although examined for general reasonableness, the data was not audited by us.
9. This report was prepared using our proprietary valuation model and related software which, in our professional judgment, has the capability to provide results that are consistent with the purposes of the valuation and has no material limitations or known weaknesses. We performed tests to ensure that the model reasonably represents that which is intended to be modeled.

## Schedule 1.

### Separations From Active Employment (Not Including Death-in-Service) Before Age & Service Retirement and Individual Pay Increase Assumptions

		Percent of Active Members Separating Within Next Year							
Sample Ages	Years of Service	General/Public Safety Members				Police		Fire	
		Men		Women		Disability	Withdrawal	Disability	Withdrawal
		Disability	Withdrawal	Disability	Withdrawal				
All	0		20.00%		23.00%		18.00%		12.00%
	1		18.00		21.00		17.00		10.00
	2		16.00		18.00		16.00		8.00
	3		13.00		15.00		14.00		8.00
	4		12.00		13.00		13.00		7.00
25	5 & Over	0.07%	8.80	0.02%	12.40	0.10%	10.80	0.07%	6.00
30		0.10	7.10	0.03	10.20	0.11	8.50	0.11	4.50
35		0.13	5.60	0.06	7.80	0.16	6.30	0.25	3.20
40		0.18	4.10	0.09	5.80	0.22	4.60	0.39	2.40
45		0.25	3.10	0.15	4.40	0.34	3.40	0.62	1.90
50		0.37	2.40	0.22	3.50	0.53	2.10	0.95	1.30
55		0.57	1.70	0.32	2.50	0.88	1.10	1.46	0.70
60		0.86	1.10	0.45	1.40		0.00		0.00
65			0.00		0.00		0.00		0.00

### Percent Increase in Individual's Pay During Next Year

Sample Ages	General/ Public Safety			Police	Fire
25	6.75%			6.55%	7.15%
30	5.95			5.75	6.05
35	5.35			5.25	5.15
40	4.85			4.75	4.45
45	4.25			4.25	4.05
50	3.85			3.85	3.85
55	3.65			3.65	3.45
60	3.45			3.45	2.75
65	3.15			3.15	2.75

## Schedule 2.

### Percent of Eligible Active Members Retiring Within Next Year Without Rule of 80 Eligibility

#### Early Retirement

Retirement Ages	General Members		Retirement Ages	Police/ Public Safety	Fire
	Men	Women			
55	3.00%	3.00%	50	2.50%	2.25%
56	3.00%	3.00%	51	2.50%	2.25%
57	3.00%	3.00%	52	3.00%	2.25%
58	3.00%	3.00%	53	3.00%	2.25%
59	3.00%	3.00%	54	3.50%	2.25%

#### Normal Retirement

Retirement Ages	General Members		Retirement Ages	Police/ Public Safety	Fire
	Men	Women			
60	10%	10%	55	11%	13%
61	10	10	56	11	13
62	25	15	57	11	13
63	20	15	58	11	13
64	20	15	59	11	13
65	25	25	60	11	15
66	25	30	61	11	20
67	20	25	62	22	20
68	20	25	63	18	20
69	20	20	64	18	20
70	100	100	65	100	100

## Schedule 2. (Concluded)

### Percent of Eligible Active Members Retiring Within Next Year With Rule of 80 Eligibility

Retirement Ages	General Members		Police/ Public Safety	Fire
	Men	Women		
50	20%	15%	25%	25%
51	20	15	25	20
52	15	15	15	20
53	15	15	15	20
54	15	15	15	20
55	15	15	15	20
56	15	15	15	20
57	15	15	15	25
58	15	15	15	25
59	15	15	15	25
60	15	15	15	35
61	15	15	25	35
62	25	15	20	45
63	25	15	20	45
64	25	20	20	45
65	30	25	100	100
66	30	25		
67	20	25		
68	20	25		
69	20	25		
70	100	100		

## **APPENDIX III**

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### **SUMMARY OF LAGERS PROVISIONS**

# Missouri Local Government Employees Retirement System

## Brief Summary of LAGERS

### Benefits and Conditions Evaluated and/or Considered as of February 29, 2024

#### (Section references are to RSMo)

**Voluntary Retirement.** Sections 70.645 & 70.600. A member may retire with an age & service allowance after both (i) completing 5 years of credited service, and (ii) attaining the minimum service retirement age.

The minimum service retirement age is age 60 for a general employee and age 55 for a police or fire employee. Optionally, employers may also elect to provide for unreduced benefits for employees whose combination of years of age and years of service equals 80 or more.

**Final Average Salary.** Section 70.600. The average of a member's monthly compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) of credited service producing the highest monthly average, which period is contained within the 120 consecutive months of credited service immediately preceding retirement.

**Age & Service Allowance.** Section 70.655. The allowance, payable monthly for life, equals a specified percent of a member's final average salary multiplied by the number of years of credited service. Each employer elects the percent applicable to its members, from the following programs:

L-1 Benefit Program:	1.00% for life
L-3 Benefit Program:	1.25% for life
L-7 Benefit Program:	1.50% for life
L-12 Benefit Program:	1.75% for life
L-6 Benefit Program:	2.00% for life
LT-4(65) Benefit Program:	1.00% for life, plus 1.00% to age 65
LT-5(65) Benefit Program:	1.25% for life, plus 0.75% to age 65
LT-8(65) Benefit Program:	1.50% for life, plus 0.50% to age 65
LT-14(65) Benefit Program:	1.75% for life, plus 0.25% to age 65

The only LT benefit programs available for adoption after August 1, 1994 are the LT(65) programs.

Benefit programs L-9 and LT-10(65) are unavailable for adoption after August 1, 2005.

Benefit program L-11, available only to groups not covered by social security, provides for 2.5% for life.

Subsequent to joining the System the governing body can elect to change benefit programs for the employees, but not more often than once every 2 years.

**Early Allowance.** Section 70.670. A member may retire with an early allowance after both (i) completing 5 years of credited service, and (ii) attaining age 55 if a general employee or age 50 if a police or fire employee.

The early allowance amount, payable monthly for life, is computed in the same manner as an age & service allowance, based upon the service and earnings record to time of early retirement, but reduced to reflect the fact that the age when payments begin is younger than the minimum service retirement age. The amount of the reduction is 1/2 of 1% (.005) for each month the age at retirement is younger than the minimum service retirement age.

**Deferred Allowance.** Section 70.675. If a member leaves LAGERS-covered employment (i) before attaining the early retirement age, and (ii) after completing 5 years of credited service, the member becomes eligible for a deferred allowance; provided the former member lives to the minimum service retirement age and does not withdraw the accumulated contributions.

The deferred allowance amount, payable monthly for life from the minimum service retirement age, is computed in the same manner as an age & service allowance, based upon the service and earnings record to time of leaving LAGERS coverage.

Deferred allowances are also payable any time after reaching the early retirement age, with the reduction for early retirement noted on the previous page.

**Non-Duty Disability Allowance.** Section 70.680. A member with 5 or more years of credited service who becomes totally and permanently disabled from other than duty-connected causes becomes eligible to receive a non-duty disability allowance computed in the same manner as an age & service allowance, based upon the service & earnings record to time of disability.

**Duty Disability Allowance.** Section 70.680. A member regardless of credited service who becomes totally and permanently disabled from duty-connected causes becomes eligible to receive a duty disability allowance computed in the same manner as an age & service allowance, based upon the earnings record to time of disability but based upon the years of credited service the member would have completed had the member continued in LAGERS-covered employment to age 60.

**Death-in-Service.** Section 70.661. Upon the death of a member who had completed 5 years of credited service, the eligible surviving dependents receive the following benefits:

- (a) The surviving spouse receives an allowance equal to the Option A allowance (joint and 75% survivor benefit) computed based upon the deceased members' service & earnings record to time of death.
- (b) When no spouse benefit is payable, the dependent children under age 18 (age 23 if they are full time students) each receive an equal share of 60% of an age & service allowance computed based upon the deceased member's service & earnings record to time of death.
- (c) If the death is determined to be duty related, the 5 year service requirement is waived and the benefit is based on years of credited service the member would have completed had the member continued in LAGERS-covered employment to age 60.



**Benefit Changes After Retirement.** Section 70.655. For retirements effective after September 28, 1975, there is an annual redetermination of monthly benefit amount, beginning the October first following 12 months of retirement. As of each October first the amount of each eligible benefit is redetermined as follows:

- (a) Subject to the maximum in (b), the redetermined amount is the amount other-wise payable multiplied by: 100% plus up to 4%, as determined by the LAGERS Board of Trustees, for each full year of retirement.
- (b) The redetermined amount may not exceed the amount otherwise payable multiplied by the ratio of the Consumer Price Index for the immediately preceding month of June to the Consumer Price Index for the month of June immediately preceding retirement.

**Member Contributions.** Sections 70.690 & 70.705. Each member contributes 4% of compensation beginning after completion of sufficient employment for 6 months of credited service.

If a member leaves LAGERS-covered employment before an allowance is payable, the accumulated contributions are refunded to the member. If the member dies, his accumulated contributions are refunded to a designated beneficiary.

The law governing LAGERS also has a provision for the adoption of a non-contributory plan in which the full cost of LAGERS participation is paid by the employer. Adoption of the non-contributory provisions may be done at the time of membership or a later date; however, a change from contributory to non-contributory or vice-versa may not be made more frequently than every 2 years. Under the non-contributory provisions there is no individual account maintained for each employee and no refund of contributions if an employee terminates before being eligible for a benefit.

**Employer Contributions.** Section 70.730. Each employer contributes the remainder amounts necessary to finance the employees' participation in LAGERS. Contributions to LAGERS are determined based upon level-percent-of-payroll principles, so that contribution rates do not have to increase over decades of time.

## **APPENDIX IV**

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### **BENEFIT ILLUSTRATIONS**

# Missouri LAGERS

## Illustrations of Age and Service Allowance Amounts For Sample Combinations of Service & Salary (L-1 Benefit Program is Years of Credited Service times: 1.00% of FAS <sup>1</sup> )

Final Average Salary (FAS) <sup>1</sup>	LAGERS BENEFIT <sup>3</sup>	Estimated Social Security <sup>2</sup>	Estimated Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$ 525	\$ 1,031	\$1,556	104%
2,000	700	1,174	1,874	94%
2,500	875	1,314	2,189	88%
3,000	1,050	1,455	2,505	84%
3,500	1,225	1,599	2,824	81%
4,000	1,400	1,739	3,139	78%
25 Years of Service:				
\$1,500	\$ 375	\$ 1,031	\$1,406	94%
2,000	500	1,174	1,674	84%
2,500	625	1,314	1,939	78%
3,000	750	1,455	2,205	74%
3,500	875	1,599	2,474	71%
4,000	1,000	1,739	2,739	68%
15 Years of Service:				
\$1,500	\$225	\$ 1,031	\$1,256	84%
2,000	300	1,174	1,474	74%
2,500	375	1,314	1,689	68%
3,000	450	1,455	1,905	64%
3,500	525	1,599	2,124	61%
4,000	600	1,739	2,339	58%

<sup>1</sup> "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

<sup>2</sup> "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2024 - it does not include any amounts which might be payable to an eligible spouse or children.

<sup>3</sup> Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

# Missouri LAGERS

## Illustrations of Age and Service Allowance Amounts For Sample Combinations of Service & Salary (L-3 Benefit Program is Years of Credited Service times: 1.25% of FAS <sup>1</sup> )

Final Average Salary (FAS) <sup>1</sup>	LAGERS BENEFIT <sup>3</sup>	Estimated Social Security <sup>2</sup>	Estimated Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$ 656	\$ 1,031	\$1,687	112%
2,000	875	1,174	2,049	102%
2,500	1,094	1,314	2,408	96%
3,000	1,313	1,455	2,768	92%
3,500	1,531	1,599	3,130	89%
4,000	1,750	1,739	3,489	87%
25 Years of Service:				
\$1,500	\$ 469	\$ 1,031	\$1,500	100%
2,000	625	1,174	1,799	90%
2,500	781	1,314	2,095	84%
3,000	938	1,455	2,393	80%
3,500	1,094	1,599	2,693	77%
4,000	1,250	1,739	2,989	75%
15 Years of Service:				
\$1,500	\$281	\$ 1,031	\$1,312	87%
2,000	375	1,174	1,549	77%
2,500	469	1,314	1,783	71%
3,000	563	1,455	2,018	67%
3,500	656	1,599	2,255	64%
4,000	750	1,739	2,489	62%

<sup>1</sup> "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

<sup>2</sup> "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2024 - it does not include any amounts which might be payable to an eligible spouse or children.

<sup>3</sup> Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

**Missouri LAGERS**  
**Illustrations of Age and Service Allowance Amounts**  
**For Sample Combinations of Service & Salary**  
(L-7 Benefit Program is Years of Credited Service  
times: 1.50% of FAS <sup>1</sup> )

Final Average Salary (FAS) <sup>1</sup>	LAGERS BENEFIT <sup>3</sup>	Estimated Social Security <sup>2</sup>	Estimated Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$ 788	\$ 1,031	\$1,819	121%
2,000	1,050	1,174	2,224	111%
2,500	1,313	1,314	2,627	105%
3,000	1,575	1,455	3,030	101%
3,500	1,838	1,599	3,437	98%
4,000	2,100	1,739	3,839	96%
25 Years of Service:				
\$1,500	\$ 563	\$ 1,031	\$1,594	106%
2,000	750	1,174	1,924	96%
2,500	938	1,314	2,252	90%
3,000	1,125	1,455	2,580	86%
3,500	1,313	1,599	2,912	83%
4,000	1,500	1,739	3,239	81%
15 Years of Service:				
\$1,500	\$338	\$ 1,031	\$1,369	91%
2,000	450	1,174	1,624	81%
2,500	563	1,314	1,877	75%
3,000	675	1,455	2,130	71%
3,500	788	1,599	2,387	68%
4,000	900	1,739	2,639	66%

<sup>1</sup> "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

<sup>2</sup> "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2024 - it does not include any amounts which might be payable to an eligible spouse or children.

<sup>3</sup> Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

**Missouri LAGERS**  
**Illustrations of Age and Service Allowance Amounts**  
**For Sample Combinations of Service & Salary**  
(L-12 Benefit Program is Years of Credited Service  
times: 1.75% of FAS <sup>1</sup> )

Final Average Salary (FAS) <sup>1</sup>	LAGERS BENEFIT <sup>3</sup>	Estimated Social Security <sup>2</sup>	Estimated Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$ 919	\$ 1,031	\$1,950	130%
2,000	1,225	1,174	2,399	120%
2,500	1,531	1,314	2,845	114%
3,000	1,838	1,455	3,293	110%
3,500	2,144	1,599	3,743	107%
4,000	2,450	1,739	4,189	105%
25 Years of Service:				
\$1,500	\$ 656	\$ 1,031	\$1,687	112%
2,000	875	1,174	2,049	102%
2,500	1,094	1,314	2,408	96%
3,000	1,313	1,455	2,768	92%
3,500	1,531	1,599	3,130	89%
4,000	1,750	1,739	3,489	87%
15 Years of Service:				
\$1,500	\$ 394	\$ 1,031	\$1,425	95%
2,000	525	1,174	1,699	85%
2,500	656	1,314	1,970	79%
3,000	788	1,455	2,243	75%
3,500	919	1,599	2,518	72%
4,000	1,050	1,739	2,789	70%

<sup>1</sup> "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

<sup>2</sup> "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2024 - it does not include any amounts which might be payable to an eligible spouse or children.

<sup>3</sup> Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

# Missouri LAGERS

## Illustrations of Age and Service Allowance Amounts For Sample Combinations of Service & Salary (L-6 Benefit Program is Years of Credited Service times: 2.00% of FAS <sup>1</sup> )

Final Average Salary (FAS) <sup>1</sup>	LAGERS BENEFIT <sup>3</sup>	Estimated Social Security <sup>2</sup>	Estimated Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$1,050	\$ 1,031	\$2,081	139%
2,000	1,400	1,174	2,574	129%
2,500	1,750	1,314	3,064	123%
3,000	2,100	1,455	3,555	119%
3,500	2,450	1,599	4,049	116%
4,000	2,800	1,739	4,539	113%
25 Years of Service:				
\$1,500	\$ 750	\$ 1,031	\$1,781	119%
2,000	1,000	1,174	2,174	109%
2,500	1,250	1,314	2,564	103%
3,000	1,500	1,455	2,955	99%
3,500	1,750	1,599	3,349	96%
4,000	2,000	1,739	3,739	93%
15 Years of Service:				
\$1,500	\$ 450	\$ 1,031	\$1,481	99%
2,000	600	1,174	1,774	89%
2,500	750	1,314	2,064	83%
3,000	900	1,455	2,355	79%
3,500	1,050	1,599	2,649	76%
4,000	1,200	1,739	2,939	73%

<sup>1</sup> "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

<sup>2</sup> "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2024 - it does not include any amounts which might be payable to an eligible spouse or children.

<sup>3</sup> Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

# Missouri LAGERS

## Illustrations of Age and Service Allowance Amounts For Sample Combinations of Service & Salary (LT-4(65) Benefit Program is Years of Credited Service times: 2.00% of FAS <sup>1</sup> to age 65) 1.00% of FAS <sup>1</sup> at age 65)

Final Average Salary (FAS) <sup>1</sup>	LAGERS BENEFIT <sup>3</sup>		Estimated Social Security <sup>2</sup>	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 525	\$ 1,031	\$1,050	\$1,556	70%	104%
2,000	1,400	700	1,174	1,400	1,874	70%	94%
2,500	1,750	875	1,314	1,750	2,189	70%	88%
3,000	2,100	1,050	1,455	2,100	2,505	70%	84%
3,500	2,450	1,225	1,599	2,450	2,824	70%	81%
4,000	2,800	1,400	1,739	2,800	3,139	70%	78%
25 Years of Service:							
\$1,500	\$ 750	\$ 375	\$ 1,031	\$ 750	\$1,406	50%	94%
2,000	1,000	500	1,174	1,000	1,674	50%	84%
2,500	1,250	625	1,314	1,250	1,939	50%	78%
3,000	1,500	750	1,455	1,500	2,205	50%	74%
3,500	1,750	875	1,599	1,750	2,474	50%	71%
4,000	2,000	1,000	1,739	2,000	2,739	50%	68%
15 Years of Service:							
\$1,500	\$ 450	\$225	\$ 1,031	\$ 450	\$1,256	30%	84%
2,000	600	300	1,174	600	1,474	30%	74%
2,500	750	375	1,314	750	1,689	30%	68%
3,000	900	450	1,455	900	1,905	30%	64%
3,500	1,050	525	1,599	1,050	2,124	30%	61%
4,000	1,200	600	1,739	1,200	2,339	30%	58%

<sup>1</sup> "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

<sup>2</sup> "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2024 - it does not include any amounts which might be payable to an eligible spouse or children.

<sup>3</sup> Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.



# Missouri LAGERS

## Illustrations of Age and Service Allowance Amounts For Sample Combinations of Service & Salary

(LT-5(65) Benefit Program is Years of Credited Service  
times: 2.00% of FAS <sup>1</sup> to age 65)  
1.25% of FAS <sup>1</sup> at age 65)

Final Average Salary (FAS) <sup>1</sup>	LAGERS BENEFIT <sup>3</sup>		Estimated Social Security <sup>2</sup>	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 656	\$ 1,031	\$1,050	\$1,687	70%	112%
2,000	1,400	875	1,174	1,400	2,049	70%	102%
2,500	1,750	1,094	1,314	1,750	2,408	70%	96%
3,000	2,100	1,313	1,455	2,100	2,768	70%	92%
3,500	2,450	1,531	1,599	2,450	3,130	70%	89%
4,000	2,800	1,750	1,739	2,800	3,489	70%	87%
25 Years of Service:							
\$1,500	\$ 750	\$ 469	\$ 1,031	\$ 750	\$1,500	50%	100%
2,000	1,000	625	1,174	1,000	1,799	50%	90%
2,500	1,250	781	1,314	1,250	2,095	50%	84%
3,000	1,500	938	1,455	1,500	2,393	50%	80%
3,500	1,750	1,094	1,599	1,750	2,693	50%	77%
4,000	2,000	1,250	1,739	2,000	2,989	50%	75%
15 Years of Service:							
\$1,500	\$ 450	\$281	\$ 1,031	\$ 450	\$1,312	30%	87%
2,000	600	375	1,174	600	1,549	30%	77%
2,500	750	469	1,314	750	1,783	30%	71%
3,000	900	563	1,455	900	2,018	30%	67%
3,500	1,050	656	1,599	1,050	2,255	30%	64%
4,000	1,200	750	1,739	1,200	2,489	30%	62%

<sup>1</sup> "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

<sup>2</sup> "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2024 - it does not include any amounts which might be payable to an eligible spouse or children.

<sup>3</sup> Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

**Missouri LAGERS**  
**Illustrations of Age and Service Allowance Amounts**  
**For Sample Combinations of Service & Salary**  
**(LT-8(65) Benefit Program is Years of Credited Service**  
**times: 2.00% of FAS <sup>1</sup> to age 65)**  
**1.50% of FAS <sup>1</sup> at age 65)**

Final Average Salary (FAS) <sup>1</sup>	LAGERS BENEFIT <sup>3</sup>		Estimated Social Security <sup>2</sup>	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 788	\$ 1,031	\$1,050	\$1,819	70%	121%
2,000	1,400	1,050	1,174	1,400	2,224	70%	111%
2,500	1,750	1,313	1,314	1,750	2,627	70%	105%
3,000	2,100	1,575	1,455	2,100	3,030	70%	101%
3,500	2,450	1,838	1,599	2,450	3,437	70%	98%
4,000	2,800	2,100	1,739	2,800	3,839	70%	96%
25 Years of Service:							
\$1,500	\$ 750	\$ 563	\$ 1,031	\$ 750	\$1,594	50%	106%
2,000	1,000	750	1,174	1,000	1,924	50%	96%
2,500	1,250	938	1,314	1,250	2,252	50%	90%
3,000	1,500	1,125	1,455	1,500	2,580	50%	86%
3,500	1,750	1,313	1,599	1,750	2,912	50%	83%
4,000	2,000	1,500	1,739	2,000	3,239	50%	81%
15 Years of Service:							
\$1,500	\$ 450	\$338	\$ 1,031	\$ 450	\$1,369	30%	91%
2,000	600	450	1,174	600	1,624	30%	81%
2,500	750	563	1,314	750	1,877	30%	75%
3,000	900	675	1,455	900	2,130	30%	71%
3,500	1,050	788	1,599	1,050	2,387	30%	68%
4,000	1,200	900	1,739	1,200	2,639	30%	66%

<sup>1</sup> "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

<sup>2</sup> "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2024 - it does not include any amounts which might be payable to an eligible spouse or children.

<sup>3</sup> Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

# Missouri LAGERS

## Illustrations of Age and Service Allowance Amounts For Sample Combinations of Service & Salary (LT-14(65) Benefit Program is Years of Credited Service times: 2.00% of FAS <sup>1</sup> to age 65) 1.75% of FAS <sup>1</sup> at age 65)

Final Average Salary (FAS) <sup>1</sup>	LAGERS BENEFIT <sup>3</sup>		Estimated Social Security <sup>2</sup>	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 919	\$ 1,031	\$1,050	\$1,950	70%	130%
2,000	1,400	1,225	1,174	1,400	2,399	70%	120%
2,500	1,750	1,531	1,314	1,750	2,845	70%	114%
3,000	2,100	1,838	1,455	2,100	3,293	70%	110%
3,500	2,450	2,144	1,599	2,450	3,743	70%	107%
4,000	2,800	2,450	1,739	2,800	4,189	70%	105%
25 Years of Service:							
\$1,500	\$ 750	\$ 656	\$ 1,031	\$ 750	\$1,687	50%	112%
2,000	1,000	875	1,174	1,000	2,049	50%	102%
2,500	1,250	1,094	1,314	1,250	2,408	50%	96%
3,000	1,500	1,313	1,455	1,500	2,768	50%	92%
3,500	1,750	1,531	1,599	1,750	3,130	50%	89%
4,000	2,000	1,750	1,739	2,000	3,489	50%	87%
15 Years of Service:							
\$1,500	\$ 450	\$ 394	\$ 1,031	\$ 450	\$1,425	30%	95%
2,000	600	525	1,174	600	1,699	30%	85%
2,500	750	656	1,314	750	1,970	30%	79%
3,000	900	788	1,455	900	2,243	30%	75%
3,500	1,050	919	1,599	1,050	2,518	30%	72%
4,000	1,200	1,050	1,739	1,200	2,789	30%	70%

<sup>1</sup> "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

<sup>2</sup> "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit and is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2024 - it does not include any amounts which might be payable to an eligible spouse or children.

<sup>3</sup> Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

## **APPENDIX V**

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### **AGE AND SERVICE CHARACTERISTICS OF EMPLOYEES**

# Warren County - General

May 31, 2024

## By Attained Age and Years of Service

Attained Age	Years of Service to Valuation Date							Totals	
	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.	Valuation Payroll
<b>Under 20</b>									
20-24	3							3	\$ 105,019
25-29	1	1						2	\$ 109,512
30-34	4	1						5	\$ 299,797
35-39	2							2	\$ 121,514
40-44	2							2	\$ 80,912
45-49	1	1						2	\$ 83,720
50-54	4		2		1			7	\$ 349,649
55-59	7	3	3		1		2	16	\$ 873,638
60-64	4	4	4	1				13	\$ 646,846
65-69	4	3		1	1			9	\$ 403,812
70 & Over	1							1	\$ 43,670
<b>Totals</b>	<b>33</b>	<b>13</b>	<b>9</b>	<b>2</b>	<b>3</b>		<b>2</b>	<b>62</b>	<b>\$ 3,118,089</b>

While not used in the financial computations, the following group averages are computed and shown because of their general interest.

Age: 52.8 years.

Benefit Service: 0.0 years.

Annual Pay: \$50,292

# Warren County - Police

May 31, 2024

## By Attained Age and Years of Service

Attained Age	Years of Service to Valuation Date							Totals	
	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.	Valuation Payroll
<b>Under 20</b>									
20-24	2							2	\$ 111,342
25-29	6							6	\$ 334,089
30-34	2	1						3	\$ 174,179
35-39	3	4	1					8	\$ 517,505
40-44	2		1	2				5	\$ 302,349
45-49	2	1		1	1			5	\$ 339,560
50-54		1		3				4	\$ 269,465
55-59							1	1	\$ 84,417
60-64									
65-69	1							1	\$ 57,325
<b>70 &amp; Over</b>									
<b>Totals</b>	<b>18</b>	<b>7</b>	<b>2</b>	<b>6</b>	<b>1</b>		<b>1</b>	<b>35</b>	<b>\$ 2,190,231</b>

While not used in the financial computations, the following group averages are computed and shown because of their general interest.

Age: 38.9 years.

Benefit Service: 0.0 years.

Annual Pay: \$62,578

# Warren County - Public Safety

May 31, 2024

## By Attained Age and Years of Service

Attained Age	Years of Service to Valuation Date							Totals	
	0-4	5-9	10-14	15-19	20-24	25-29	30 Plus	No.	Valuation Payroll
<b>Under 20</b>									
20-24	7							7	\$ 296,961
25-29	1							1	\$ 51,813
30-34	4	2						6	\$ 278,074
35-39	2	1	1					4	\$ 207,958
40-44	2							2	\$ 81,120
45-49	1							1	\$ 47,403
50-54									
55-59	1			1				2	\$ 98,842
60-64									
65-69									
<b>70 &amp; Over</b>									
<b>Totals</b>	<b>18</b>	<b>3</b>	<b>1</b>	<b>1</b>				<b>23</b>	<b>\$ 1,062,171</b>

While not used in the financial computations, the following group averages are computed and shown because of their general interest.

- Age: 33.2 years.
- Benefit Service: 0.0 years.
- Annual Pay: \$46,181

## **APPENDIX VI**

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### **RISK COMMENTARY**



## Risk Commentary

The determination of the accrued liability and the actuarially determined contribution (i.e., total employer contribution rate) requires the use of assumptions regarding future economic and demographic experience. Risk measures, as illustrated in this report, are intended to aid in the understanding of the effects of future experience differing from the assumptions used in the course of the actuarial valuation. Risk measures may also help with illustrating the potential volatility in the accrued liability and the actuarially determined contribution that result from the differences between actual experience and the actuarial assumptions.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following: plan experience differing from that anticipated by the economic or demographic assumptions; changes in economic or demographic assumptions due to changing conditions; increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period, or additional cost or contribution requirements based on the Plan's funded status); and changes in plan provisions or applicable law. The scope of an actuarial valuation does not include an analysis of the potential range of such future measurements.

Examples of risk that may reasonably be anticipated to significantly affect the plan's future financial condition include:

1. **Investment Risk** – actual investment returns may differ from the expected returns;
2. **Asset/Liability Mismatch Risk** – changes in asset values may not match changes in liabilities, thereby altering the gap between the accrued liability and assets and consequently altering the funded status and contribution requirements;
3. **Contribution Risk** – actual contributions may differ from expected future contributions. For example, actual contributions may not be made in accordance with the plan's funding policy or material changes may occur in the anticipated number of covered employees, covered payroll, or other relevant contribution base;
4. **Salary and Payroll Risk** – actual salaries and total payroll may differ from expected, resulting in actual future accrued liability, contributions and contribution rates differing from expected;
5. **Longevity Risk** – members may live longer or shorter than expected and receive pensions for a period of time other than assumed; and
6. **Other Demographic Risks** – members may terminate, retire or become disabled at times or with benefits other than assumed resulting in actual future accrued liability and contributions differing from expected.

The effects of certain trends in experience can generally be anticipated. For example if the investment return since the most recent actuarial valuation is less (or more) than the assumed rate, the cost of the plan can be expected to increase (or decrease). Likewise if longevity is improving (or worsening), increases (or decreases) in cost can be anticipated.

The computed contribution rates shown on pages 4 thru 7 may be considered as a minimum contribution rate for the selected benefit provisions that complies with the Board's funding policy. The timely receipt of the actuarially determined contributions is critical to support the financial health of the plan. Users of this report should be aware that contributions made at the actuarially determined rate do not necessarily guarantee benefit security.

# Risk Commentary (Concluded)

## PLAN MATURITY MEASURES

Risks facing a pension plan evolve over time. A young plan with virtually no investments and paying few benefits may experience little investment risk. An older plan with a large number of members in pay status and a significant trust may be much more exposed to investment risk. Generally accepted plan maturity measures are described below.

### **RATIO OF MARKET VALUE OF ASSETS TO PAYROLL**

The relationship between assets and payroll is a useful indicator of the potential volatility of contributions. For example, if the market value of assets is 2.0 times the payroll, a return on assets 5% different than assumed would equal 10% of payroll. A higher (lower) or increasing (decreasing) level of this maturity measure generally indicates a higher (lower) or increasing (decreasing) volatility in plan sponsor contributions as a percentage of payroll.

### **RATIO OF ACTUARIAL ACCRUED LIABILITY TO PAYROLL**

The relationship between actuarial accrued liability and payroll is a useful indicator of the potential volatility of contributions for a fully funded plan. A funding policy that targets a funded ratio of 100% is expected to result in the ratio of assets to payroll and the ratio of liability to payroll converging over time.

The ratio of liability to payroll may also be used as a measure of sensitivity of the liability itself. For example, if the actuarial accrued liability is 2.5 times the payroll, a change in liability 2% other than assumed would equal 5% of payroll. A higher (lower) or increasing (decreasing) level of this maturity measure generally indicates a higher (lower) or increasing (decreasing) volatility in liability (and also plan sponsor contributions) as a percentage of payroll.

### **RATIO OF NET CASH FLOW TO MARKET VALUE OF ASSETS**

A positive net cash flow means contributions exceed benefits and expenses. A negative cash flow means existing funds are being used to make payments. A certain amount of negative net cash flow is generally expected to occur when benefits are prefunded through a qualified trust. Large negative net cash flows as a percent of assets may indicate a super-mature plan or a need for additional contributions.

### **DURATION OF ACTUARIAL ACCRUED LIABILITY**

The duration of the actuarial accrued liability may be used to approximate the sensitivity to a 1% change in the assumed rate of return. For example, duration of 10 indicates that the liability would increase approximately 10% if the assumed rate of return were lowered 1%.

## ADDITIONAL RISK ASSESSMENT

Additional risk assessment is outside the scope of the annual actuarial valuation. Additional assessment may include scenario tests, sensitivity tests, stochastic modeling, stress tests, and a comparison of the present value of accrued benefits at low-risk discount rates with the actuarial accrued liability.



July 19, 2024 E-mail

Mr. Bill Betts, Executive Director  
Missouri Local Government  
Employees Retirement System  
P.O. Box 1665  
Jefferson City, Missouri 65102

Dear Mr. Betts:

Enclosed is the report of the May 31, 2024 Initial Actuarial Valuation of LAGERS benefits for the employees of

Warren County

Sincerely,

A handwritten signature in black ink that reads "Mita Drazilov". The signature is written in a cursive, flowing style.

Mita D. Drazilov, ASA, FCA, MAAA

MDD:wp



July 19, 2024

Warren County  
Warrenton, Missouri

Ladies and Gentlemen:

This report contains projections needed to comply with Missouri state disclosure requirements (Section 105.665 of the RSMo) regarding the adoption of LAGERS benefits by a political subdivision. This report is intended to be a supplement to the May 31, 2024 Initial Valuation for the Warren County dated July 19, 2024.

The actuarial assumptions and methods used to determine the stated costs are described in Appendix II of the Initial Valuation Report. In our opinion, they do produce results which, in the aggregate, are reasonable. Additional miscellaneous and technical assumptions as well as disclosures required by the actuarial standards of practice may be found in the LAGERS Compiled Annual Actuarial Valuation report as of February 29, 2024. The unfunded actuarial accrued liability shown for each member contribution rate option is based on the 0% member contribution rate plan.

Mita Drazilov is a member of the American Academy of Actuaries and meets the Qualification Standards of the Academy of Actuaries to render the actuarial opinions herein.

Respectfully submitted,  
Gabriel, Roeder, Smith & Company

A handwritten signature in black ink that reads "Mita Drazilov". The signature is written in a cursive, flowing style.

Mita D. Drazilov, ASA, FCA, MAAA

# Warren County - General

## Employer Contribution Rates (0% Member Contribution Rate, 5 Year FAS)

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	8.2%	\$255,683	\$ 322,718	10.2%	\$318,045	\$ 403,442	8.8%	\$274,392	\$ 326,201
2025	3,203,836	8.2	262,715	325,814	10.2	326,791	407,312	8.8	281,938	329,330
2026	3,291,941	8.2	269,939	328,590	10.2	335,778	410,783	8.8	289,691	332,136
2027	3,382,469	8.2	277,362	331,010	10.2	345,012	413,808	8.8	297,657	334,582
2028	3,475,487	8.2	284,990	333,033	10.2	354,500	416,337	8.8	305,843	336,627
2029	3,571,063	8.2	292,827	334,616	10.2	364,248	418,316	8.8	314,254	338,227
2030	3,669,267	8.2	300,880	335,713	10.2	374,265	419,687	8.8	322,895	339,335
2031	3,770,172	8.2	309,154	336,272	10.2	384,558	420,386	8.8	331,775	339,900
2032	3,873,852	8.2	317,656	336,240	10.2	395,133	420,346	8.8	340,899	339,867
2033	3,980,383	8.2	326,391	335,557	10.2	405,999	419,492	8.8	350,274	339,177

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	10.6%	\$330,517	\$ 406,016	11.9%	\$371,053	\$ 484,045	12.2%	\$380,407	\$ 485,807
2025	3,203,836	10.6	339,607	409,911	11.9	381,256	488,688	12.2	390,868	490,467
2026	3,291,941	10.6	348,946	413,404	11.9	391,741	492,852	12.2	401,617	494,646
2027	3,382,469	10.6	358,542	416,448	11.9	402,514	496,481	12.2	412,661	498,289
2028	3,475,487	10.6	368,402	418,993	11.9	413,583	499,516	12.2	424,009	501,335
2029	3,571,063	10.6	378,533	420,985	11.9	424,956	501,891	12.2	435,670	503,718
2030	3,669,267	10.6	388,942	422,365	11.9	436,643	503,536	12.2	447,651	505,369
2031	3,770,172	10.6	399,638	423,069	11.9	448,650	504,375	12.2	459,961	506,211
2032	3,873,852	10.6	410,628	423,028	11.9	460,988	504,326	12.2	472,610	506,162
2033	3,980,383	10.6	421,921	422,169	11.9	473,666	503,302	12.2	485,607	505,134

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	13.9%	\$433,414	\$ 564,779	14.0%	\$436,532	\$ 565,640	15.7%	\$489,540	\$ 645,456
2025	3,203,836	13.9	445,333	570,197	14.0	448,537	571,066	15.7	503,002	651,648
2026	3,291,941	13.9	457,580	575,056	14.0	460,872	575,932	15.7	516,835	657,201
2027	3,382,469	13.9	470,163	579,291	14.0	473,546	580,173	15.7	531,048	662,041
2028	3,475,487	13.9	483,093	582,832	14.0	486,568	583,719	15.7	545,651	666,088
2029	3,571,063	13.9	496,378	585,603	14.0	499,949	586,494	15.7	560,657	669,255
2030	3,669,267	13.9	510,028	587,522	14.0	513,697	588,416	15.7	576,075	671,448
2031	3,770,172	13.9	524,054	588,501	14.0	527,824	589,396	15.7	591,917	672,567
2032	3,873,852	13.9	538,465	588,444	14.0	542,339	589,339	15.7	608,195	672,502
2033	3,980,383	13.9	553,273	587,249	14.0	557,254	588,142	15.7	624,920	671,136

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - General

## Employer Contribution Rates (2% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	6.3%	\$196,440	\$ 322,718	8.3%	\$258,801	\$ 403,442	6.9%	\$215,148	\$ 326,201
2025	3,203,836	6.3	201,842	325,814	8.3	265,918	407,312	6.9	221,065	329,330
2026	3,291,941	6.3	207,392	328,590	8.3	273,231	410,783	6.9	227,144	332,136
2027	3,382,469	6.3	213,096	331,010	8.3	280,745	413,808	6.9	233,390	334,582
2028	3,475,487	6.3	218,956	333,033	8.3	288,465	416,337	6.9	239,809	336,627
2029	3,571,063	6.3	224,977	334,616	8.3	296,398	418,316	6.9	246,403	338,227
2030	3,669,267	6.3	231,164	335,713	8.3	304,549	419,687	6.9	253,179	339,335
2031	3,770,172	6.3	237,521	336,272	8.3	312,924	420,386	6.9	260,142	339,900
2032	3,873,852	6.3	244,053	336,240	8.3	321,530	420,346	6.9	267,296	339,867
2033	3,980,383	6.3	250,764	335,557	8.3	330,372	419,492	6.9	274,646	339,177

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	8.7%	\$271,274	\$ 406,016	10.0%	\$311,809	\$ 484,045	10.3%	\$321,163	\$ 485,807
2025	3,203,836	8.7	278,734	409,911	10.0	320,384	488,688	10.3	329,995	490,467
2026	3,291,941	8.7	286,399	413,404	10.0	329,194	492,852	10.3	339,070	494,646
2027	3,382,469	8.7	294,275	416,448	10.0	338,247	496,481	10.3	348,394	498,289
2028	3,475,487	8.7	302,367	418,993	10.0	347,549	499,516	10.3	357,975	501,335
2029	3,571,063	8.7	310,682	420,985	10.0	357,106	501,891	10.3	367,819	503,718
2030	3,669,267	8.7	319,226	422,365	10.0	366,927	503,536	10.3	377,935	505,369
2031	3,770,172	8.7	328,005	423,069	10.0	377,017	504,375	10.3	388,328	506,211
2032	3,873,852	8.7	337,025	423,028	10.0	387,385	504,326	10.3	399,007	506,162
2033	3,980,383	8.7	346,293	422,169	10.0	398,038	503,302	10.3	409,979	505,134

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	12.0%	\$374,171	\$ 564,779	12.1%	\$377,289	\$ 565,640	13.8%	\$430,296	\$ 645,456
2025	3,203,836	12.0	384,460	570,197	12.1	387,664	571,066	13.8	442,129	651,648
2026	3,291,941	12.0	395,033	575,056	12.1	398,325	575,932	13.8	454,288	657,201
2027	3,382,469	12.0	405,896	579,291	12.1	409,279	580,173	13.8	466,781	662,041
2028	3,475,487	12.0	417,058	582,832	12.1	420,534	583,719	13.8	479,617	666,088
2029	3,571,063	12.0	428,528	585,603	12.1	432,099	586,494	13.8	492,807	669,255
2030	3,669,267	12.0	440,312	587,522	12.1	443,981	588,416	13.8	506,359	671,448
2031	3,770,172	12.0	452,421	588,501	12.1	456,191	589,396	13.8	520,284	672,567
2032	3,873,852	12.0	464,862	588,444	12.1	468,736	589,339	13.8	534,592	672,502
2033	3,980,383	12.0	477,646	587,249	12.1	481,626	588,142	13.8	549,293	671,136

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - General

## Employer Contribution Rates (4% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	4.4%	\$137,196	\$ 322,718	6.4%	\$199,558	\$ 403,442	5.0%	\$155,904	\$ 326,201
2025	3,203,836	4.4	140,969	325,814	6.4	205,046	407,312	5.0	160,192	329,330
2026	3,291,941	4.4	144,845	328,590	6.4	210,684	410,783	5.0	164,597	332,136
2027	3,382,469	4.4	148,829	331,010	6.4	216,478	413,808	5.0	169,123	334,582
2028	3,475,487	4.4	152,921	333,033	6.4	222,431	416,337	5.0	173,774	336,627
2029	3,571,063	4.4	157,127	334,616	6.4	228,548	418,316	5.0	178,553	338,227
2030	3,669,267	4.4	161,448	335,713	6.4	234,833	419,687	5.0	183,463	339,335
2031	3,770,172	4.4	165,888	336,272	6.4	241,291	420,386	5.0	188,509	339,900
2032	3,873,852	4.4	170,449	336,240	6.4	247,927	420,346	5.0	193,693	339,867
2033	3,980,383	4.4	175,137	335,557	6.4	254,745	419,492	5.0	199,019	339,177

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	6.8%	\$212,030	\$ 406,016	8.1%	\$252,565	\$ 484,045	8.4%	\$261,919	\$ 485,807
2025	3,203,836	6.8	217,861	409,911	8.1	259,511	488,688	8.4	269,122	490,467
2026	3,291,941	6.8	223,852	413,404	8.1	266,647	492,852	8.4	276,523	494,646
2027	3,382,469	6.8	230,008	416,448	8.1	273,980	496,481	8.4	284,127	498,289
2028	3,475,487	6.8	236,333	418,993	8.1	281,514	499,516	8.4	291,941	501,335
2029	3,571,063	6.8	242,832	420,985	8.1	289,256	501,891	8.4	299,969	503,718
2030	3,669,267	6.8	249,510	422,365	8.1	297,211	503,536	8.4	308,218	505,369
2031	3,770,172	6.8	256,372	423,069	8.1	305,384	504,375	8.4	316,694	506,211
2032	3,873,852	6.8	263,422	423,028	8.1	313,782	504,326	8.4	325,404	506,162
2033	3,980,383	6.8	270,666	422,169	8.1	322,411	503,302	8.4	334,352	505,134

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	10.1%	\$314,927	\$ 564,779	10.2%	\$318,045	\$ 565,640	11.9%	\$371,053	\$ 645,456
2025	3,203,836	10.1	323,587	570,197	10.2	326,791	571,066	11.9	381,256	651,648
2026	3,291,941	10.1	332,486	575,056	10.2	335,778	575,932	11.9	391,741	657,201
2027	3,382,469	10.1	341,629	579,291	10.2	345,012	580,173	11.9	402,514	662,041
2028	3,475,487	10.1	351,024	582,832	10.2	354,500	583,719	11.9	413,583	666,088
2029	3,571,063	10.1	360,677	585,603	10.2	364,248	586,494	11.9	424,956	669,255
2030	3,669,267	10.1	370,596	587,522	10.2	374,265	588,416	11.9	436,643	671,448
2031	3,770,172	10.1	380,787	588,501	10.2	384,558	589,396	11.9	448,650	672,567
2032	3,873,852	10.1	391,259	588,444	10.2	395,133	589,339	11.9	460,988	672,502
2033	3,980,383	10.1	402,019	587,249	10.2	405,999	588,142	11.9	473,666	671,136

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - General

## Employer Contribution Rates (6% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	2.5%	\$77,952	\$ 322,718	4.5%	\$140,314	\$ 403,442	3.1%	\$96,661	\$ 326,201
2025	3,203,836	2.5	80,096	325,814	4.5	144,173	407,312	3.1	99,319	329,330
2026	3,291,941	2.5	82,299	328,590	4.5	148,137	410,783	3.1	102,050	332,136
2027	3,382,469	2.5	84,562	331,010	4.5	152,211	413,808	3.1	104,857	334,582
2028	3,475,487	2.5	86,887	333,033	4.5	156,397	416,337	3.1	107,740	336,627
2029	3,571,063	2.5	89,277	334,616	4.5	160,698	418,316	3.1	110,703	338,227
2030	3,669,267	2.5	91,732	335,713	4.5	165,117	419,687	3.1	113,747	339,335
2031	3,770,172	2.5	94,254	336,272	4.5	169,658	420,386	3.1	116,875	339,900
2032	3,873,852	2.5	96,846	336,240	4.5	174,323	420,346	3.1	120,089	339,867
2033	3,980,383	2.5	99,510	335,557	4.5	179,117	419,492	3.1	123,392	339,177

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	4.9%	\$152,786	\$ 406,016	6.2%	\$193,322	\$ 484,045	6.5%	\$202,676	\$ 485,807
2025	3,203,836	4.9	156,988	409,911	6.2	198,638	488,688	6.5	208,249	490,467
2026	3,291,941	4.9	161,305	413,404	6.2	204,100	492,852	6.5	213,976	494,646
2027	3,382,469	4.9	165,741	416,448	6.2	209,713	496,481	6.5	219,860	498,289
2028	3,475,487	4.9	170,299	418,993	6.2	215,480	499,516	6.5	225,907	501,335
2029	3,571,063	4.9	174,982	420,985	6.2	221,406	501,891	6.5	232,119	503,718
2030	3,669,267	4.9	179,794	422,365	6.2	227,495	503,536	6.5	238,502	505,369
2031	3,770,172	4.9	184,738	423,069	6.2	233,751	504,375	6.5	245,061	506,211
2032	3,873,852	4.9	189,819	423,028	6.2	240,179	504,326	6.5	251,800	506,162
2033	3,980,383	4.9	195,039	422,169	6.2	246,784	503,302	6.5	258,725	505,134

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	8.2%	\$255,683	\$ 564,779	8.3%	\$258,801	\$ 565,640	10.0%	\$311,809	\$ 645,456
2025	3,203,836	8.2	262,715	570,197	8.3	265,918	571,066	10.0	320,384	651,648
2026	3,291,941	8.2	269,939	575,056	8.3	273,231	575,932	10.0	329,194	657,201
2027	3,382,469	8.2	277,362	579,291	8.3	280,745	580,173	10.0	338,247	662,041
2028	3,475,487	8.2	284,990	582,832	8.3	288,465	583,719	10.0	347,549	666,088
2029	3,571,063	8.2	292,827	585,603	8.3	296,398	586,494	10.0	357,106	669,255
2030	3,669,267	8.2	300,880	587,522	8.3	304,549	588,416	10.0	366,927	671,448
2031	3,770,172	8.2	309,154	588,501	8.3	312,924	589,396	10.0	377,017	672,567
2032	3,873,852	8.2	317,656	588,444	8.3	321,530	589,339	10.0	387,385	672,502
2033	3,980,383	8.2	326,391	587,249	8.3	330,372	588,142	10.0	398,038	671,136

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.





# Warren County - General

## Employer Contribution Rates (0% Member Contribution Rate, 3 Year FAS)

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	8.5%	\$265,038	\$ 332,430	10.5%	\$327,399	\$ 415,463	9.1%	\$283,746	\$ 335,989
2025	3,203,836	8.5	272,326	335,619	10.5	336,403	419,448	9.1	291,549	339,212
2026	3,291,941	8.5	279,815	338,479	10.5	345,654	423,022	9.1	299,567	342,102
2027	3,382,469	8.5	287,510	340,972	10.5	355,159	426,137	9.1	307,805	344,621
2028	3,475,487	8.5	295,416	343,056	10.5	364,926	428,742	9.1	316,269	346,727
2029	3,571,063	8.5	303,540	344,687	10.5	374,962	430,780	9.1	324,967	348,375
2030	3,669,267	8.5	311,888	345,817	10.5	385,273	432,192	9.1	333,903	349,517
2031	3,770,172	8.5	320,465	346,393	10.5	395,868	432,912	9.1	343,086	350,099
2032	3,873,852	8.5	329,277	346,360	10.5	406,754	432,870	9.1	352,521	350,065
2033	3,980,383	8.5	338,333	345,657	10.5	417,940	431,991	9.1	362,215	349,354

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	10.9%	\$339,872	\$ 418,164	12.2%	\$380,407	\$ 498,558	12.5%	\$389,761	\$ 500,414
2025	3,203,836	10.9	349,218	422,175	12.2	390,868	503,340	12.5	400,480	505,214
2026	3,291,941	10.9	358,822	425,772	12.2	401,617	507,629	12.5	411,493	509,519
2027	3,382,469	10.9	368,689	428,907	12.2	412,661	511,367	12.5	422,809	513,271
2028	3,475,487	10.9	378,828	431,529	12.2	424,009	514,493	12.5	434,436	516,408
2029	3,571,063	10.9	389,246	433,581	12.2	435,670	516,939	12.5	446,383	518,863
2030	3,669,267	10.9	399,950	435,002	12.2	447,651	518,633	12.5	458,658	520,563
2031	3,770,172	10.9	410,949	435,727	12.2	459,961	519,497	12.5	471,272	521,430
2032	3,873,852	10.9	422,250	435,685	12.2	472,610	519,447	12.5	484,232	521,380
2033	3,980,383	10.9	433,862	434,800	12.2	485,607	518,392	12.5	497,548	520,321

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	14.2%	\$442,769	\$ 581,636	14.4%	\$449,005	\$ 582,601	16.1%	\$502,012	\$ 664,852
2025	3,203,836	14.2	454,945	587,215	14.4	461,352	588,190	16.1	515,818	671,230
2026	3,291,941	14.2	467,456	592,219	14.4	474,040	593,202	16.1	530,003	676,950
2027	3,382,469	14.2	480,311	596,580	14.4	487,076	597,570	16.1	544,578	681,935
2028	3,475,487	14.2	493,519	600,226	14.4	500,470	601,222	16.1	559,553	686,103
2029	3,571,063	14.2	507,091	603,080	14.4	514,233	604,080	16.1	574,941	689,365
2030	3,669,267	14.2	521,036	605,056	14.4	528,374	606,060	16.1	590,752	691,624
2031	3,770,172	14.2	535,364	606,064	14.4	542,905	607,070	16.1	606,998	692,776
2032	3,873,852	14.2	550,087	606,006	14.4	557,835	607,012	16.1	623,690	692,709
2033	3,980,383	14.2	565,214	604,775	14.4	573,175	605,779	16.1	640,842	691,302

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - General

## Employer Contribution Rates (2% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	6.6%	\$205,794	\$ 332,430	8.6%	\$268,156	\$ 415,463	7.2%	\$224,502	\$ 335,989
2025	3,203,836	6.6	211,453	335,619	8.6	275,530	419,448	7.2	230,676	339,212
2026	3,291,941	6.6	217,268	338,479	8.6	283,107	423,022	7.2	237,020	342,102
2027	3,382,469	6.6	223,243	340,972	8.6	290,892	426,137	7.2	243,538	344,621
2028	3,475,487	6.6	229,382	343,056	8.6	298,892	428,742	7.2	250,235	346,727
2029	3,571,063	6.6	235,690	344,687	8.6	307,111	430,780	7.2	257,117	348,375
2030	3,669,267	6.6	242,172	345,817	8.6	315,557	432,192	7.2	264,187	349,517
2031	3,770,172	6.6	248,831	346,393	8.6	324,235	432,912	7.2	271,452	350,099
2032	3,873,852	6.6	255,674	346,360	8.6	333,151	432,870	7.2	278,917	350,065
2033	3,980,383	6.6	262,705	345,657	8.6	342,313	431,991	7.2	286,588	349,354

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	9.0%	\$280,628	\$ 418,164	10.3%	\$321,163	\$ 498,558	10.6%	\$330,517	\$ 500,414
2025	3,203,836	9.0	288,345	422,175	10.3	329,995	503,340	10.6	339,607	505,214
2026	3,291,941	9.0	296,275	425,772	10.3	339,070	507,629	10.6	348,946	509,519
2027	3,382,469	9.0	304,422	428,907	10.3	348,394	511,367	10.6	358,542	513,271
2028	3,475,487	9.0	312,794	431,529	10.3	357,975	514,493	10.6	368,402	516,408
2029	3,571,063	9.0	321,396	433,581	10.3	367,819	516,939	10.6	378,533	518,863
2030	3,669,267	9.0	330,234	435,002	10.3	377,935	518,633	10.6	388,942	520,563
2031	3,770,172	9.0	339,315	435,727	10.3	388,328	519,497	10.6	399,638	521,430
2032	3,873,852	9.0	348,647	435,685	10.3	399,007	519,447	10.6	410,628	521,380
2033	3,980,383	9.0	358,234	434,800	10.3	409,979	518,392	10.6	421,921	520,321

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	12.3%	\$383,525	\$ 581,636	12.5%	\$389,761	\$ 582,601	14.2%	\$442,769	\$ 664,852
2025	3,203,836	12.3	394,072	587,215	12.5	400,480	588,190	14.2	454,945	671,230
2026	3,291,941	12.3	404,909	592,219	12.5	411,493	593,202	14.2	467,456	676,950
2027	3,382,469	12.3	416,044	596,580	12.5	422,809	597,570	14.2	480,311	681,935
2028	3,475,487	12.3	427,485	600,226	12.5	434,436	601,222	14.2	493,519	686,103
2029	3,571,063	12.3	439,241	603,080	12.5	446,383	604,080	14.2	507,091	689,365
2030	3,669,267	12.3	451,320	605,056	12.5	458,658	606,060	14.2	521,036	691,624
2031	3,770,172	12.3	463,731	606,064	12.5	471,272	607,070	14.2	535,364	692,776
2032	3,873,852	12.3	476,484	606,006	12.5	484,232	607,012	14.2	550,087	692,709
2033	3,980,383	12.3	489,587	604,775	12.5	497,548	605,779	14.2	565,214	691,302

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - General

## Employer Contribution Rates (4% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	4.7%	\$146,550	\$ 332,430	6.7%	\$208,912	\$ 415,463	5.3%	\$165,259	\$ 335,989
2025	3,203,836	4.7	150,580	335,619	6.7	214,657	419,448	5.3	169,803	339,212
2026	3,291,941	4.7	154,721	338,479	6.7	220,560	423,022	5.3	174,473	342,102
2027	3,382,469	4.7	158,976	340,972	6.7	226,625	426,137	5.3	179,271	344,621
2028	3,475,487	4.7	163,348	343,056	6.7	232,858	428,742	5.3	184,201	346,727
2029	3,571,063	4.7	167,840	344,687	6.7	239,261	430,780	5.3	189,266	348,375
2030	3,669,267	4.7	172,456	345,817	6.7	245,841	432,192	5.3	194,471	349,517
2031	3,770,172	4.7	177,198	346,393	6.7	252,602	432,912	5.3	199,819	350,099
2032	3,873,852	4.7	182,071	346,360	6.7	259,548	432,870	5.3	205,314	350,065
2033	3,980,383	4.7	187,078	345,657	6.7	266,686	431,991	5.3	210,960	349,354

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	7.1%	\$221,384	\$ 418,164	8.4%	\$261,919	\$ 498,558	8.7%	\$271,274	\$ 500,414
2025	3,203,836	7.1	227,472	422,175	8.4	269,122	503,340	8.7	278,734	505,214
2026	3,291,941	7.1	233,728	425,772	8.4	276,523	507,629	8.7	286,399	509,519
2027	3,382,469	7.1	240,155	428,907	8.4	284,127	511,367	8.7	294,275	513,271
2028	3,475,487	7.1	246,760	431,529	8.4	291,941	514,493	8.7	302,367	516,408
2029	3,571,063	7.1	253,545	433,581	8.4	299,969	516,939	8.7	310,682	518,863
2030	3,669,267	7.1	260,518	435,002	8.4	308,218	518,633	8.7	319,226	520,563
2031	3,770,172	7.1	267,682	435,727	8.4	316,694	519,497	8.7	328,005	521,430
2032	3,873,852	7.1	275,043	435,685	8.4	325,404	519,447	8.7	337,025	521,380
2033	3,980,383	7.1	282,607	434,800	8.4	334,352	518,392	8.7	346,293	520,321

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	10.4%	\$324,281	\$ 581,636	10.6%	\$330,517	\$ 582,601	12.3%	\$383,525	\$ 664,852
2025	3,203,836	10.4	333,199	587,215	10.6	339,607	588,190	12.3	394,072	671,230
2026	3,291,941	10.4	342,362	592,219	10.6	348,946	593,202	12.3	404,909	676,950
2027	3,382,469	10.4	351,777	596,580	10.6	358,542	597,570	12.3	416,044	681,935
2028	3,475,487	10.4	361,451	600,226	10.6	368,402	601,222	12.3	427,485	686,103
2029	3,571,063	10.4	371,391	603,080	10.6	378,533	604,080	12.3	439,241	689,365
2030	3,669,267	10.4	381,604	605,056	10.6	388,942	606,060	12.3	451,320	691,624
2031	3,770,172	10.4	392,098	606,064	10.6	399,638	607,070	12.3	463,731	692,776
2032	3,873,852	10.4	402,881	606,006	10.6	410,628	607,012	12.3	476,484	692,709
2033	3,980,383	10.4	413,960	604,775	10.6	421,921	605,779	12.3	489,587	691,302

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - General

## Employer Contribution Rates (6% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	2.8%	\$87,306	\$ 332,430	4.8%	\$149,668	\$ 415,463	3.4%	\$106,015	\$ 335,989
2025	3,203,836	2.8	89,707	335,619	4.8	153,784	419,448	3.4	108,930	339,212
2026	3,291,941	2.8	92,174	338,479	4.8	158,013	423,022	3.4	111,926	342,102
2027	3,382,469	2.8	94,709	340,972	4.8	162,359	426,137	3.4	115,004	344,621
2028	3,475,487	2.8	97,314	343,056	4.8	166,823	428,742	3.4	118,167	346,727
2029	3,571,063	2.8	99,990	344,687	4.8	171,411	430,780	3.4	121,416	348,375
2030	3,669,267	2.8	102,739	345,817	4.8	176,125	432,192	3.4	124,755	349,517
2031	3,770,172	2.8	105,565	346,393	4.8	180,968	432,912	3.4	128,186	350,099
2032	3,873,852	2.8	108,468	346,360	4.8	185,945	432,870	3.4	131,711	350,065
2033	3,980,383	2.8	111,451	345,657	4.8	191,058	431,991	3.4	135,333	349,354

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	5.2%	\$162,141	\$ 418,164	6.5%	\$202,676	\$ 498,558	6.8%	\$212,030	\$ 500,414
2025	3,203,836	5.2	166,599	422,175	6.5	208,249	503,340	6.8	217,861	505,214
2026	3,291,941	5.2	171,181	425,772	6.5	213,976	507,629	6.8	223,852	509,519
2027	3,382,469	5.2	175,888	428,907	6.5	219,860	511,367	6.8	230,008	513,271
2028	3,475,487	5.2	180,725	431,529	6.5	225,907	514,493	6.8	236,333	516,408
2029	3,571,063	5.2	185,695	433,581	6.5	232,119	516,939	6.8	242,832	518,863
2030	3,669,267	5.2	190,802	435,002	6.5	238,502	518,633	6.8	249,510	520,563
2031	3,770,172	5.2	196,049	435,727	6.5	245,061	519,497	6.8	256,372	521,430
2032	3,873,852	5.2	201,440	435,685	6.5	251,800	519,447	6.8	263,422	521,380
2033	3,980,383	5.2	206,980	434,800	6.5	258,725	518,392	6.8	270,666	520,321

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	8.5%	\$265,038	\$ 581,636	8.7%	\$271,274	\$ 582,601	10.4%	\$324,281	\$ 664,852
2025	3,203,836	8.5	272,326	587,215	8.7	278,734	588,190	10.4	333,199	671,230
2026	3,291,941	8.5	279,815	592,219	8.7	286,399	593,202	10.4	342,362	676,950
2027	3,382,469	8.5	287,510	596,580	8.7	294,275	597,570	10.4	351,777	681,935
2028	3,475,487	8.5	295,416	600,226	8.7	302,367	601,222	10.4	361,451	686,103
2029	3,571,063	8.5	303,540	603,080	8.7	310,682	604,080	10.4	371,391	689,365
2030	3,669,267	8.5	311,888	605,056	8.7	319,226	606,060	10.4	381,604	691,624
2031	3,770,172	8.5	320,465	606,064	8.7	328,005	607,070	10.4	392,098	692,776
2032	3,873,852	8.5	329,277	606,006	8.7	337,025	607,012	10.4	402,881	692,709
2033	3,980,383	8.5	338,333	604,775	8.7	346,293	605,779	10.4	413,960	691,302

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - General

## Employer Contribution Rates (0% Member Contribution Rate, 5 Year FAS)

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	8.4%	\$261,919	\$ 307,071	10.3%	\$321,163	\$ 383,838	9.2%	\$286,864	\$ 317,793
2025	3,203,836	8.4	269,122	310,017	10.3	329,995	387,520	9.2	294,753	320,841
2026	3,291,941	8.4	276,523	312,659	10.3	339,070	390,822	9.2	302,859	323,575
2027	3,382,469	8.4	284,127	314,961	10.3	348,394	393,700	9.2	311,187	325,958
2028	3,475,487	8.4	291,941	316,886	10.3	357,975	396,106	9.2	319,745	327,950
2029	3,571,063	8.4	299,969	318,393	10.3	367,819	397,989	9.2	328,538	329,509
2030	3,669,267	8.4	308,218	319,436	10.3	377,935	399,293	9.2	337,573	330,589
2031	3,770,172	8.4	316,694	319,968	10.3	388,328	399,958	9.2	346,856	331,140
2032	3,873,852	8.4	325,404	319,937	10.3	399,007	399,920	9.2	356,394	331,108
2033	3,980,383	8.4	334,352	319,287	10.3	409,979	399,108	9.2	366,195	330,436

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	10.9%	\$339,872	\$ 391,931	12.2%	\$380,407	\$ 460,593	12.5%	\$389,761	\$ 465,965
2025	3,203,836	10.9	349,218	395,691	12.2	390,868	465,011	12.5	400,480	470,435
2026	3,291,941	10.9	358,822	399,063	12.2	401,617	468,973	12.5	411,493	474,444
2027	3,382,469	10.9	368,689	402,002	12.2	412,661	472,427	12.5	422,809	477,938
2028	3,475,487	10.9	378,828	404,459	12.2	424,009	475,315	12.5	434,436	480,859
2029	3,571,063	10.9	389,246	406,382	12.2	435,670	477,575	12.5	446,383	483,145
2030	3,669,267	10.9	399,950	407,714	12.2	447,651	479,140	12.5	458,658	484,728
2031	3,770,172	10.9	410,949	408,393	12.2	459,961	479,938	12.5	471,272	485,536
2032	3,873,852	10.9	422,250	408,354	12.2	472,610	479,892	12.5	484,232	485,489
2033	3,980,383	10.9	433,862	407,525	12.2	485,607	478,917	12.5	497,548	484,503

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	14.0%	\$436,532	\$ 537,379	14.2%	\$442,769	\$ 540,097	15.9%	\$495,776	\$ 614,084
2025	3,203,836	14.0	448,537	542,534	14.2	454,945	545,278	15.9	509,410	619,975
2026	3,291,941	14.0	460,872	547,157	14.2	467,456	549,924	15.9	523,419	625,258
2027	3,382,469	14.0	473,546	551,186	14.2	480,311	553,974	15.9	537,813	629,863
2028	3,475,487	14.0	486,568	554,555	14.2	493,519	557,360	15.9	552,602	633,713
2029	3,571,063	14.0	499,949	557,191	14.2	507,091	560,010	15.9	567,799	636,726
2030	3,669,267	14.0	513,697	559,017	14.2	521,036	561,845	15.9	583,413	638,813
2031	3,770,172	14.0	527,824	559,948	14.2	535,364	562,781	15.9	599,457	639,877
2032	3,873,852	14.0	542,339	559,894	14.2	550,087	562,727	15.9	615,942	639,815
2033	3,980,383	14.0	557,254	558,757	14.2	565,214	561,584	15.9	632,881	638,516

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - General

## Employer Contribution Rates (2% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	6.5%	\$202,676	\$ 307,071	8.4%	\$261,919	\$ 383,838	7.3%	\$227,620	\$ 317,793
2025	3,203,836	6.5	208,249	310,017	8.4	269,122	387,520	7.3	233,880	320,841
2026	3,291,941	6.5	213,976	312,659	8.4	276,523	390,822	7.3	240,312	323,575
2027	3,382,469	6.5	219,860	314,961	8.4	284,127	393,700	7.3	246,920	325,958
2028	3,475,487	6.5	225,907	316,886	8.4	291,941	396,106	7.3	253,711	327,950
2029	3,571,063	6.5	232,119	318,393	8.4	299,969	397,989	7.3	260,688	329,509
2030	3,669,267	6.5	238,502	319,436	8.4	308,218	399,293	7.3	267,856	330,589
2031	3,770,172	6.5	245,061	319,968	8.4	316,694	399,958	7.3	275,223	331,140
2032	3,873,852	6.5	251,800	319,937	8.4	325,404	399,920	7.3	282,791	331,108
2033	3,980,383	6.5	258,725	319,287	8.4	334,352	399,108	7.3	290,568	330,436

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	9.0%	\$280,628	\$ 391,931	10.3%	\$321,163	\$ 460,593	10.6%	\$330,517	\$ 465,965
2025	3,203,836	9.0	288,345	395,691	10.3	329,995	465,011	10.6	339,607	470,435
2026	3,291,941	9.0	296,275	399,063	10.3	339,070	468,973	10.6	348,946	474,444
2027	3,382,469	9.0	304,422	402,002	10.3	348,394	472,427	10.6	358,542	477,938
2028	3,475,487	9.0	312,794	404,459	10.3	357,975	475,315	10.6	368,402	480,859
2029	3,571,063	9.0	321,396	406,382	10.3	367,819	477,575	10.6	378,533	483,145
2030	3,669,267	9.0	330,234	407,714	10.3	377,935	479,140	10.6	388,942	484,728
2031	3,770,172	9.0	339,315	408,393	10.3	388,328	479,938	10.6	399,638	485,536
2032	3,873,852	9.0	348,647	408,354	10.3	399,007	479,892	10.6	410,628	485,489
2033	3,980,383	9.0	358,234	407,525	10.3	409,979	478,917	10.6	421,921	484,503

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	12.1%	\$377,289	\$ 537,379	12.3%	\$383,525	\$ 540,097	14.0%	\$436,532	\$ 614,084
2025	3,203,836	12.1	387,664	542,534	12.3	394,072	545,278	14.0	448,537	619,975
2026	3,291,941	12.1	398,325	547,157	12.3	404,909	549,924	14.0	460,872	625,258
2027	3,382,469	12.1	409,279	551,186	12.3	416,044	553,974	14.0	473,546	629,863
2028	3,475,487	12.1	420,534	554,555	12.3	427,485	557,360	14.0	486,568	633,713
2029	3,571,063	12.1	432,099	557,191	12.3	439,241	560,010	14.0	499,949	636,726
2030	3,669,267	12.1	443,981	559,017	12.3	451,320	561,845	14.0	513,697	638,813
2031	3,770,172	12.1	456,191	559,948	12.3	463,731	562,781	14.0	527,824	639,877
2032	3,873,852	12.1	468,736	559,894	12.3	476,484	562,727	14.0	542,339	639,815
2033	3,980,383	12.1	481,626	558,757	12.3	489,587	561,584	14.0	557,254	638,516

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - General

## Employer Contribution Rates (4% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	4.6%	\$143,432	\$ 307,071	6.5%	\$202,676	\$ 383,838	5.4%	\$168,377	\$ 317,793
2025	3,203,836	4.6	147,376	310,017	6.5	208,249	387,520	5.4	173,007	320,841
2026	3,291,941	4.6	151,429	312,659	6.5	213,976	390,822	5.4	177,765	323,575
2027	3,382,469	4.6	155,594	314,961	6.5	219,860	393,700	5.4	182,653	325,958
2028	3,475,487	4.6	159,872	316,886	6.5	225,907	396,106	5.4	187,676	327,950
2029	3,571,063	4.6	164,269	318,393	6.5	232,119	397,989	5.4	192,837	329,509
2030	3,669,267	4.6	168,786	319,436	6.5	238,502	399,293	5.4	198,140	330,589
2031	3,770,172	4.6	173,428	319,968	6.5	245,061	399,958	5.4	203,589	331,140
2032	3,873,852	4.6	178,197	319,937	6.5	251,800	399,920	5.4	209,188	331,108
2033	3,980,383	4.6	183,098	319,287	6.5	258,725	399,108	5.4	214,941	330,436

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	7.1%	\$221,384	\$ 391,931	8.4%	\$261,919	\$ 460,593	8.7%	\$271,274	\$ 465,965
2025	3,203,836	7.1	227,472	395,691	8.4	269,122	465,011	8.7	278,734	470,435
2026	3,291,941	7.1	233,728	399,063	8.4	276,523	468,973	8.7	286,399	474,444
2027	3,382,469	7.1	240,155	402,002	8.4	284,127	472,427	8.7	294,275	477,938
2028	3,475,487	7.1	246,760	404,459	8.4	291,941	475,315	8.7	302,367	480,859
2029	3,571,063	7.1	253,545	406,382	8.4	299,969	477,575	8.7	310,682	483,145
2030	3,669,267	7.1	260,518	407,714	8.4	308,218	479,140	8.7	319,226	484,728
2031	3,770,172	7.1	267,682	408,393	8.4	316,694	479,938	8.7	328,005	485,536
2032	3,873,852	7.1	275,043	408,354	8.4	325,404	479,892	8.7	337,025	485,489
2033	3,980,383	7.1	282,607	407,525	8.4	334,352	478,917	8.7	346,293	484,503

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	10.2%	\$318,045	\$ 537,379	10.4%	\$324,281	\$ 540,097	12.1%	\$377,289	\$ 614,084
2025	3,203,836	10.2	326,791	542,534	10.4	333,199	545,278	12.1	387,664	619,975
2026	3,291,941	10.2	335,778	547,157	10.4	342,362	549,924	12.1	398,325	625,258
2027	3,382,469	10.2	345,012	551,186	10.4	351,777	553,974	12.1	409,279	629,863
2028	3,475,487	10.2	354,500	554,555	10.4	361,451	557,360	12.1	420,534	633,713
2029	3,571,063	10.2	364,248	557,191	10.4	371,391	560,010	12.1	432,099	636,726
2030	3,669,267	10.2	374,265	559,017	10.4	381,604	561,845	12.1	443,981	638,813
2031	3,770,172	10.2	384,558	559,948	10.4	392,098	562,781	12.1	456,191	639,877
2032	3,873,852	10.2	395,133	559,894	10.4	402,881	562,727	12.1	468,736	639,815
2033	3,980,383	10.2	405,999	558,757	10.4	413,960	561,584	12.1	481,626	638,516

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - General

## Employer Contribution Rates (6% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	2.7%	\$84,188	\$ 307,071	4.6%	\$143,432	\$ 383,838	3.5%	\$109,133	\$ 317,793
2025	3,203,836	2.7	86,504	310,017	4.6	147,376	387,520	3.5	112,134	320,841
2026	3,291,941	2.7	88,882	312,659	4.6	151,429	390,822	3.5	115,218	323,575
2027	3,382,469	2.7	91,327	314,961	4.6	155,594	393,700	3.5	118,386	325,958
2028	3,475,487	2.7	93,838	316,886	4.6	159,872	396,106	3.5	121,642	327,950
2029	3,571,063	2.7	96,419	318,393	4.6	164,269	397,989	3.5	124,987	329,509
2030	3,669,267	2.7	99,070	319,436	4.6	168,786	399,293	3.5	128,424	330,589
2031	3,770,172	2.7	101,795	319,968	4.6	173,428	399,958	3.5	131,956	331,140
2032	3,873,852	2.7	104,594	319,937	4.6	178,197	399,920	3.5	135,585	331,108
2033	3,980,383	2.7	107,470	319,287	4.6	183,098	399,108	3.5	139,313	330,436

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	5.2%	\$162,141	\$ 391,931	6.5%	\$202,676	\$ 460,593	6.8%	\$212,030	\$ 465,965
2025	3,203,836	5.2	166,599	395,691	6.5	208,249	465,011	6.8	217,861	470,435
2026	3,291,941	5.2	171,181	399,063	6.5	213,976	468,973	6.8	223,852	474,444
2027	3,382,469	5.2	175,888	402,002	6.5	219,860	472,427	6.8	230,008	477,938
2028	3,475,487	5.2	180,725	404,459	6.5	225,907	475,315	6.8	236,333	480,859
2029	3,571,063	5.2	185,695	406,382	6.5	232,119	477,575	6.8	242,832	483,145
2030	3,669,267	5.2	190,802	407,714	6.5	238,502	479,140	6.8	249,510	484,728
2031	3,770,172	5.2	196,049	408,393	6.5	245,061	479,938	6.8	256,372	485,536
2032	3,873,852	5.2	201,440	408,354	6.5	251,800	479,892	6.8	263,422	485,489
2033	3,980,383	5.2	206,980	407,525	6.5	258,725	478,917	6.8	270,666	484,503

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	8.3%	\$258,801	\$ 537,379	8.5%	\$265,038	\$ 540,097	10.2%	\$318,045	\$ 614,084
2025	3,203,836	8.3	265,918	542,534	8.5	272,326	545,278	10.2	326,791	619,975
2026	3,291,941	8.3	273,231	547,157	8.5	279,815	549,924	10.2	335,778	625,258
2027	3,382,469	8.3	280,745	551,186	8.5	287,510	553,974	10.2	345,012	629,863
2028	3,475,487	8.3	288,465	554,555	8.5	295,416	557,360	10.2	354,500	633,713
2029	3,571,063	8.3	296,398	557,191	8.5	303,540	560,010	10.2	364,248	636,726
2030	3,669,267	8.3	304,549	559,017	8.5	311,888	561,845	10.2	374,265	638,813
2031	3,770,172	8.3	312,924	559,948	8.5	320,465	562,781	10.2	384,558	639,877
2032	3,873,852	8.3	321,530	559,894	8.5	329,277	562,727	10.2	395,133	639,815
2033	3,980,383	8.3	330,372	558,757	8.5	338,333	561,584	10.2	405,999	638,516

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.





# Warren County - General

## Employer Contribution Rates (0% Member Contribution Rate, 3 Year FAS)

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	8.6%	\$268,156	\$ 316,470	10.6%	\$330,517	\$ 395,515	9.4%	\$293,100	\$ 327,553
2025	3,203,836	8.6	275,530	319,506	10.6	339,607	399,309	9.4	301,161	330,695
2026	3,291,941	8.6	283,107	322,229	10.6	348,946	402,712	9.4	309,442	333,513
2027	3,382,469	8.6	290,892	324,602	10.6	358,542	405,678	9.4	317,952	335,969
2028	3,475,487	8.6	298,892	326,586	10.6	368,402	408,158	9.4	326,696	338,023
2029	3,571,063	8.6	307,111	328,139	10.6	378,533	410,098	9.4	335,680	339,630
2030	3,669,267	8.6	315,557	329,214	10.6	388,942	411,442	9.4	344,911	340,743
2031	3,770,172	8.6	324,235	329,763	10.6	399,638	412,128	9.4	354,396	341,311
2032	3,873,852	8.6	333,151	329,731	10.6	410,628	412,088	9.4	364,142	341,278
2033	3,980,383	8.6	342,313	329,061	10.6	421,921	411,251	9.4	374,156	340,585

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	11.3%	\$352,344	\$ 403,834	12.5%	\$389,761	\$ 474,567	12.9%	\$402,233	\$ 480,176
2025	3,203,836	11.3	362,033	407,708	12.5	400,480	479,119	12.9	413,295	484,782
2026	3,291,941	11.3	371,989	411,182	12.5	411,493	483,202	12.9	424,660	488,913
2027	3,382,469	11.3	382,219	414,210	12.5	422,809	486,760	12.9	436,339	492,513
2028	3,475,487	11.3	392,730	416,742	12.5	434,436	489,735	12.9	448,338	495,523
2029	3,571,063	11.3	403,530	418,723	12.5	446,383	492,063	12.9	460,667	497,879
2030	3,669,267	11.3	414,627	420,095	12.5	458,658	493,676	12.9	473,335	499,511
2031	3,770,172	11.3	426,029	420,795	12.5	471,272	494,499	12.9	486,352	500,343
2032	3,873,852	11.3	437,745	420,755	12.5	484,232	494,451	12.9	499,727	500,295
2033	3,980,383	11.3	449,783	419,901	12.5	497,548	493,447	12.9	513,469	499,279

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	14.4%	\$449,005	\$ 553,665	14.6%	\$455,241	\$ 556,483	16.4%	\$511,367	\$ 632,816
2025	3,203,836	14.4	461,352	558,976	14.6	467,760	561,821	16.4	525,429	638,886
2026	3,291,941	14.4	474,040	563,739	14.6	480,623	566,608	16.4	539,878	644,330
2027	3,382,469	14.4	487,076	567,891	14.6	493,840	570,781	16.4	554,725	649,075
2028	3,475,487	14.4	500,470	571,362	14.6	507,421	574,270	16.4	569,980	653,042
2029	3,571,063	14.4	514,233	574,078	14.6	521,375	577,000	16.4	585,654	656,147
2030	3,669,267	14.4	528,374	575,959	14.6	535,713	578,891	16.4	601,760	658,297
2031	3,770,172	14.4	542,905	576,919	14.6	550,445	579,856	16.4	618,308	659,394
2032	3,873,852	14.4	557,835	576,863	14.6	565,582	579,800	16.4	635,312	659,331
2033	3,980,383	14.4	573,175	575,691	14.6	581,136	578,623	16.4	652,783	657,992

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - General

## Employer Contribution Rates (2% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	6.7%	\$208,912	\$ 316,470	8.7%	\$271,274	\$ 395,515	7.5%	\$233,857	\$ 327,553
2025	3,203,836	6.7	214,657	319,506	8.7	278,734	399,309	7.5	240,288	330,695
2026	3,291,941	6.7	220,560	322,229	8.7	286,399	402,712	7.5	246,896	333,513
2027	3,382,469	6.7	226,625	324,602	8.7	294,275	405,678	7.5	253,685	335,969
2028	3,475,487	6.7	232,858	326,586	8.7	302,367	408,158	7.5	260,662	338,023
2029	3,571,063	6.7	239,261	328,139	8.7	310,682	410,098	7.5	267,830	339,630
2030	3,669,267	6.7	245,841	329,214	8.7	319,226	411,442	7.5	275,195	340,743
2031	3,770,172	6.7	252,602	329,763	8.7	328,005	412,128	7.5	282,763	341,311
2032	3,873,852	6.7	259,548	329,731	8.7	337,025	412,088	7.5	290,539	341,278
2033	3,980,383	6.7	266,686	329,061	8.7	346,293	411,251	7.5	298,529	340,585

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	9.4%	\$293,100	\$ 403,834	10.6%	\$330,517	\$ 474,567	11.0%	\$342,990	\$ 480,176
2025	3,203,836	9.4	301,161	407,708	10.6	339,607	479,119	11.0	352,422	484,782
2026	3,291,941	9.4	309,442	411,182	10.6	348,946	483,202	11.0	362,114	488,913
2027	3,382,469	9.4	317,952	414,210	10.6	358,542	486,760	11.0	372,072	492,513
2028	3,475,487	9.4	326,696	416,742	10.6	368,402	489,735	11.0	382,304	495,523
2029	3,571,063	9.4	335,680	418,723	10.6	378,533	492,063	11.0	392,817	497,879
2030	3,669,267	9.4	344,911	420,095	10.6	388,942	493,676	11.0	403,619	499,511
2031	3,770,172	9.4	354,396	420,795	10.6	399,638	494,499	11.0	414,719	500,343
2032	3,873,852	9.4	364,142	420,755	10.6	410,628	494,451	11.0	426,124	500,295
2033	3,980,383	9.4	374,156	419,901	10.6	421,921	493,447	11.0	437,842	499,279

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	12.5%	\$389,761	\$ 553,665	12.7%	\$395,997	\$ 556,483	14.5%	\$452,123	\$ 632,816
2025	3,203,836	12.5	400,480	558,976	12.7	406,887	561,821	14.5	464,556	638,886
2026	3,291,941	12.5	411,493	563,739	12.7	418,077	566,608	14.5	477,331	644,330
2027	3,382,469	12.5	422,809	567,891	12.7	429,574	570,781	14.5	490,458	649,075
2028	3,475,487	12.5	434,436	571,362	12.7	441,387	574,270	14.5	503,946	653,042
2029	3,571,063	12.5	446,383	574,078	12.7	453,525	577,000	14.5	517,804	656,147
2030	3,669,267	12.5	458,658	575,959	12.7	465,997	578,891	14.5	532,044	658,297
2031	3,770,172	12.5	471,272	576,919	12.7	478,812	579,856	14.5	546,675	659,394
2032	3,873,852	12.5	484,232	576,863	12.7	491,979	579,800	14.5	561,709	659,331
2033	3,980,383	12.5	497,548	575,691	12.7	505,509	578,623	14.5	577,156	657,992

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - General

## Employer Contribution Rates (4% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	4.8%	\$149,668	\$ 316,470	6.8%	\$212,030	\$ 395,515	5.6%	\$174,613	\$ 327,553
2025	3,203,836	4.8	153,784	319,506	6.8	217,861	399,309	5.6	179,415	330,695
2026	3,291,941	4.8	158,013	322,229	6.8	223,852	402,712	5.6	184,349	333,513
2027	3,382,469	4.8	162,359	324,602	6.8	230,008	405,678	5.6	189,418	335,969
2028	3,475,487	4.8	166,823	326,586	6.8	236,333	408,158	5.6	194,627	338,023
2029	3,571,063	4.8	171,411	328,139	6.8	242,832	410,098	5.6	199,980	339,630
2030	3,669,267	4.8	176,125	329,214	6.8	249,510	411,442	5.6	205,479	340,743
2031	3,770,172	4.8	180,968	329,763	6.8	256,372	412,128	5.6	211,130	341,311
2032	3,873,852	4.8	185,945	329,731	6.8	263,422	412,088	5.6	216,936	341,278
2033	3,980,383	4.8	191,058	329,061	6.8	270,666	411,251	5.6	222,901	340,585

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	7.5%	\$233,857	\$ 403,834	8.7%	\$271,274	\$ 474,567	9.1%	\$283,746	\$ 480,176
2025	3,203,836	7.5	240,288	407,708	8.7	278,734	479,119	9.1	291,549	484,782
2026	3,291,941	7.5	246,896	411,182	8.7	286,399	483,202	9.1	299,567	488,913
2027	3,382,469	7.5	253,685	414,210	8.7	294,275	486,760	9.1	307,805	492,513
2028	3,475,487	7.5	260,662	416,742	8.7	302,367	489,735	9.1	316,269	495,523
2029	3,571,063	7.5	267,830	418,723	8.7	310,682	492,063	9.1	324,967	497,879
2030	3,669,267	7.5	275,195	420,095	8.7	319,226	493,676	9.1	333,903	499,511
2031	3,770,172	7.5	282,763	420,795	8.7	328,005	494,499	9.1	343,086	500,343
2032	3,873,852	7.5	290,539	420,755	8.7	337,025	494,451	9.1	352,521	500,295
2033	3,980,383	7.5	298,529	419,901	8.7	346,293	493,447	9.1	362,215	499,279

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	10.6%	\$330,517	\$ 553,665	10.8%	\$336,754	\$ 556,483	12.6%	\$392,879	\$ 632,816
2025	3,203,836	10.6	339,607	558,976	10.8	346,014	561,821	12.6	403,683	638,886
2026	3,291,941	10.6	348,946	563,739	10.8	355,530	566,608	12.6	414,785	644,330
2027	3,382,469	10.6	358,542	567,891	10.8	365,307	570,781	12.6	426,191	649,075
2028	3,475,487	10.6	368,402	571,362	10.8	375,353	574,270	12.6	437,911	653,042
2029	3,571,063	10.6	378,533	574,078	10.8	385,675	577,000	12.6	449,954	656,147
2030	3,669,267	10.6	388,942	575,959	10.8	396,281	578,891	12.6	462,328	658,297
2031	3,770,172	10.6	399,638	576,919	10.8	407,179	579,856	12.6	475,042	659,394
2032	3,873,852	10.6	410,628	576,863	10.8	418,376	579,800	12.6	488,105	659,331
2033	3,980,383	10.6	421,921	575,691	10.8	429,881	578,623	12.6	501,528	657,992

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - General

## Employer Contribution Rates (6% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	2.9%	\$90,425	\$ 316,470	4.9%	\$152,786	\$ 395,515	3.7%	\$115,369	\$ 327,553
2025	3,203,836	2.9	92,911	319,506	4.9	156,988	399,309	3.7	118,542	330,695
2026	3,291,941	2.9	95,466	322,229	4.9	161,305	402,712	3.7	121,802	333,513
2027	3,382,469	2.9	98,092	324,602	4.9	165,741	405,678	3.7	125,151	335,969
2028	3,475,487	2.9	100,789	326,586	4.9	170,299	408,158	3.7	128,593	338,023
2029	3,571,063	2.9	103,561	328,139	4.9	174,982	410,098	3.7	132,129	339,630
2030	3,669,267	2.9	106,409	329,214	4.9	179,794	411,442	3.7	135,763	340,743
2031	3,770,172	2.9	109,335	329,763	4.9	184,738	412,128	3.7	139,496	341,311
2032	3,873,852	2.9	112,342	329,731	4.9	189,819	412,088	3.7	143,333	341,278
2033	3,980,383	2.9	115,431	329,061	4.9	195,039	411,251	3.7	147,274	340,585

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	5.6%	\$174,613	\$ 403,834	6.8%	\$212,030	\$ 474,567	7.2%	\$224,502	\$ 480,176
2025	3,203,836	5.6	179,415	407,708	6.8	217,861	479,119	7.2	230,676	484,782
2026	3,291,941	5.6	184,349	411,182	6.8	223,852	483,202	7.2	237,020	488,913
2027	3,382,469	5.6	189,418	414,210	6.8	230,008	486,760	7.2	243,538	492,513
2028	3,475,487	5.6	194,627	416,742	6.8	236,333	489,735	7.2	250,235	495,523
2029	3,571,063	5.6	199,980	418,723	6.8	242,832	492,063	7.2	257,117	497,879
2030	3,669,267	5.6	205,479	420,095	6.8	249,510	493,676	7.2	264,187	499,511
2031	3,770,172	5.6	211,130	420,795	6.8	256,372	494,499	7.2	271,452	500,343
2032	3,873,852	5.6	216,936	420,755	6.8	263,422	494,451	7.2	278,917	500,295
2033	3,980,383	5.6	222,901	419,901	6.8	270,666	493,447	7.2	286,588	499,279

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 3,118,089	8.7%	\$271,274	\$ 553,665	8.9%	\$277,510	\$ 556,483	10.7%	\$333,636	\$ 632,816
2025	3,203,836	8.7	278,734	558,976	8.9	285,141	561,821	10.7	342,810	638,886
2026	3,291,941	8.7	286,399	563,739	8.9	292,983	566,608	10.7	352,238	644,330
2027	3,382,469	8.7	294,275	567,891	8.9	301,040	570,781	10.7	361,924	649,075
2028	3,475,487	8.7	302,367	571,362	8.9	309,318	574,270	10.7	371,877	653,042
2029	3,571,063	8.7	310,682	574,078	8.9	317,825	577,000	10.7	382,104	656,147
2030	3,669,267	8.7	319,226	575,959	8.9	326,565	578,891	10.7	392,612	658,297
2031	3,770,172	8.7	328,005	576,919	8.9	335,545	579,856	10.7	403,408	659,394
2032	3,873,852	8.7	337,025	576,863	8.9	344,773	579,800	10.7	414,502	659,331
2033	3,980,383	8.7	346,293	575,691	8.9	354,254	578,623	10.7	425,901	657,992

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Police

## Employer Contribution Rates (0% Member Contribution Rate, 5 Year FAS)

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	8.7%	\$190,550	\$ 454,166	10.6%	\$232,164	\$ 567,719	10.4%	\$227,784	\$ 573,503
2025	2,250,462	8.7	195,790	458,523	10.6	238,549	573,165	10.4	234,048	579,004
2026	2,312,350	8.7	201,174	462,430	10.6	245,109	578,049	10.4	240,484	583,938
2027	2,375,940	8.7	206,707	465,835	10.6	251,850	582,306	10.4	247,098	588,238
2028	2,441,278	8.7	212,391	468,682	10.6	258,775	585,865	10.4	253,893	591,833
2029	2,508,413	8.7	218,232	470,910	10.6	265,892	588,650	10.4	260,875	594,647
2030	2,577,394	8.7	224,233	472,453	10.6	273,204	590,579	10.4	268,049	596,596
2031	2,648,272	8.7	230,400	473,240	10.6	280,717	591,563	10.4	275,420	597,590
2032	2,721,099	8.7	236,736	473,194	10.6	288,436	591,506	10.4	282,994	597,532
2033	2,795,929	8.7	243,246	472,233	10.6	296,368	590,305	10.4	290,777	596,319

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	12.0%	\$262,828	\$ 657,253	12.5%	\$273,779	\$ 681,262	13.4%	\$293,491	\$ 740,922
2025	2,250,462	12.0	270,055	663,558	12.5	281,308	687,797	13.4	301,562	748,029
2026	2,312,350	12.0	277,482	669,212	12.5	289,044	693,658	13.4	309,855	754,403
2027	2,375,940	12.0	285,113	674,140	12.5	296,993	698,766	13.4	318,376	759,959
2028	2,441,278	12.0	292,953	678,261	12.5	305,160	703,037	13.4	327,131	764,604
2029	2,508,413	12.0	301,010	681,486	12.5	313,552	706,379	13.4	336,127	768,239
2030	2,577,394	12.0	309,287	683,719	12.5	322,174	708,694	13.4	345,371	770,757
2031	2,648,272	12.0	317,793	684,858	12.5	331,034	709,875	13.4	354,868	772,041
2032	2,721,099	12.0	326,532	684,792	12.5	340,137	709,807	13.4	364,627	771,967
2033	2,795,929	12.0	335,511	683,401	12.5	349,491	708,366	13.4	374,654	770,399

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	14.5%	\$317,583	\$ 794,826	14.9%	\$326,344	\$ 824,615	16.4%	\$359,198	\$ 908,328
2025	2,250,462	14.5	326,317	802,450	14.9	335,319	832,525	16.4	369,076	917,041
2026	2,312,350	14.5	335,291	809,288	14.9	344,540	839,619	16.4	379,225	924,855
2027	2,375,940	14.5	344,511	815,248	14.9	354,015	845,802	16.4	389,654	931,666
2028	2,441,278	14.5	353,985	820,231	14.9	363,750	850,972	16.4	400,370	937,361
2029	2,508,413	14.5	363,720	824,131	14.9	373,754	855,018	16.4	411,380	941,817
2030	2,577,394	14.5	373,722	826,832	14.9	384,032	857,820	16.4	422,693	944,903
2031	2,648,272	14.5	383,999	828,210	14.9	394,593	859,249	16.4	434,317	946,477
2032	2,721,099	14.5	394,559	828,130	14.9	405,444	859,166	16.4	446,260	946,386
2033	2,795,929	14.5	405,410	826,448	14.9	416,593	857,421	16.4	458,532	944,464

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Police

## Employer Contribution Rates (2% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	6.8%	\$148,936	\$ 454,166	8.7%	\$190,550	\$ 567,719	8.5%	\$186,170	\$ 573,503
2025	2,250,462	6.8	153,031	458,523	8.7	195,790	573,165	8.5	191,289	579,004
2026	2,312,350	6.8	157,240	462,430	8.7	201,174	578,049	8.5	196,550	583,938
2027	2,375,940	6.8	161,564	465,835	8.7	206,707	582,306	8.5	201,955	588,238
2028	2,441,278	6.8	166,007	468,682	8.7	212,391	585,865	8.5	207,509	591,833
2029	2,508,413	6.8	170,572	470,910	8.7	218,232	588,650	8.5	213,215	594,647
2030	2,577,394	6.8	175,263	472,453	8.7	224,233	590,579	8.5	219,078	596,596
2031	2,648,272	6.8	180,082	473,240	8.7	230,400	591,563	8.5	225,103	597,590
2032	2,721,099	6.8	185,035	473,194	8.7	236,736	591,506	8.5	231,293	597,532
2033	2,795,929	6.8	190,123	472,233	8.7	243,246	590,305	8.5	237,654	596,319

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	10.1%	\$221,213	\$ 657,253	10.6%	\$232,164	\$ 681,262	11.5%	\$251,877	\$ 740,922
2025	2,250,462	10.1	227,297	663,558	10.6	238,549	687,797	11.5	258,803	748,029
2026	2,312,350	10.1	233,547	669,212	10.6	245,109	693,658	11.5	265,920	754,403
2027	2,375,940	10.1	239,970	674,140	10.6	251,850	698,766	11.5	273,233	759,959
2028	2,441,278	10.1	246,569	678,261	10.6	258,775	703,037	11.5	280,747	764,604
2029	2,508,413	10.1	253,350	681,486	10.6	265,892	706,379	11.5	288,467	768,239
2030	2,577,394	10.1	260,317	683,719	10.6	273,204	708,694	11.5	296,400	770,757
2031	2,648,272	10.1	267,475	684,858	10.6	280,717	709,875	11.5	304,551	772,041
2032	2,721,099	10.1	274,831	684,792	10.6	288,436	709,807	11.5	312,926	771,967
2033	2,795,929	10.1	282,389	683,401	10.6	296,368	708,366	11.5	321,532	770,399

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	12.6%	\$275,969	\$ 794,826	13.0%	\$284,730	\$ 824,615	14.5%	\$317,583	\$ 908,328
2025	2,250,462	12.6	283,558	802,450	13.0	292,560	832,525	14.5	326,317	917,041
2026	2,312,350	12.6	291,356	809,288	13.0	300,606	839,619	14.5	335,291	924,855
2027	2,375,940	12.6	299,368	815,248	13.0	308,872	845,802	14.5	344,511	931,666
2028	2,441,278	12.6	307,601	820,231	13.0	317,366	850,972	14.5	353,985	937,361
2029	2,508,413	12.6	316,060	824,131	13.0	326,094	855,018	14.5	363,720	941,817
2030	2,577,394	12.6	324,752	826,832	13.0	335,061	857,820	14.5	373,722	944,903
2031	2,648,272	12.6	333,682	828,210	13.0	344,275	859,249	14.5	383,999	946,477
2032	2,721,099	12.6	342,858	828,130	13.0	353,743	859,166	14.5	394,559	946,386
2033	2,795,929	12.6	352,287	826,448	13.0	363,471	857,421	14.5	405,410	944,464

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Police

## Employer Contribution Rates (4% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	4.9%	\$107,321	\$ 454,166	6.8%	\$148,936	\$ 567,719	6.6%	\$144,555	\$ 573,503
2025	2,250,462	4.9	110,273	458,523	6.8	153,031	573,165	6.6	148,530	579,004
2026	2,312,350	4.9	113,305	462,430	6.8	157,240	578,049	6.6	152,615	583,938
2027	2,375,940	4.9	116,421	465,835	6.8	161,564	582,306	6.6	156,812	588,238
2028	2,441,278	4.9	119,623	468,682	6.8	166,007	585,865	6.6	161,124	591,833
2029	2,508,413	4.9	122,912	470,910	6.8	170,572	588,650	6.6	165,555	594,647
2030	2,577,394	4.9	126,292	472,453	6.8	175,263	590,579	6.6	170,108	596,596
2031	2,648,272	4.9	129,765	473,240	6.8	180,082	591,563	6.6	174,786	597,590
2032	2,721,099	4.9	133,334	473,194	6.8	185,035	591,506	6.6	179,593	597,532
2033	2,795,929	4.9	137,001	472,233	6.8	190,123	590,305	6.6	184,531	596,319

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	8.2%	\$179,599	\$ 657,253	8.7%	\$190,550	\$ 681,262	9.6%	\$210,262	\$ 740,922
2025	2,250,462	8.2	184,538	663,558	8.7	195,790	687,797	9.6	216,044	748,029
2026	2,312,350	8.2	189,613	669,212	8.7	201,174	693,658	9.6	221,986	754,403
2027	2,375,940	8.2	194,827	674,140	8.7	206,707	698,766	9.6	228,090	759,959
2028	2,441,278	8.2	200,185	678,261	8.7	212,391	703,037	9.6	234,363	764,604
2029	2,508,413	8.2	205,690	681,486	8.7	218,232	706,379	9.6	240,808	768,239
2030	2,577,394	8.2	211,346	683,719	8.7	224,233	708,694	9.6	247,430	770,757
2031	2,648,272	8.2	217,158	684,858	8.7	230,400	709,875	9.6	254,234	772,041
2032	2,721,099	8.2	223,130	684,792	8.7	236,736	709,807	9.6	261,226	771,967
2033	2,795,929	8.2	229,266	683,401	8.7	243,246	708,366	9.6	268,409	770,399

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	10.7%	\$234,355	\$ 794,826	11.1%	\$243,116	\$ 824,615	12.6%	\$275,969	\$ 908,328
2025	2,250,462	10.7	240,799	802,450	11.1	249,801	832,525	12.6	283,558	917,041
2026	2,312,350	10.7	247,421	809,288	11.1	256,671	839,619	12.6	291,356	924,855
2027	2,375,940	10.7	254,226	815,248	11.1	263,729	845,802	12.6	299,368	931,666
2028	2,441,278	10.7	261,217	820,231	11.1	270,982	850,972	12.6	307,601	937,361
2029	2,508,413	10.7	268,400	824,131	11.1	278,434	855,018	12.6	316,060	941,817
2030	2,577,394	10.7	275,781	826,832	11.1	286,091	857,820	12.6	324,752	944,903
2031	2,648,272	10.7	283,365	828,210	11.1	293,958	859,249	12.6	333,682	946,477
2032	2,721,099	10.7	291,158	828,130	11.1	302,042	859,166	12.6	342,858	946,386
2033	2,795,929	10.7	299,164	826,448	11.1	310,348	857,421	12.6	352,287	944,464

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Police

## Employer Contribution Rates (6% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	3.0%	\$65,707	\$ 454,166	4.9%	\$107,321	\$ 567,719	4.7%	\$102,941	\$ 573,503
2025	2,250,462	3.0	67,514	458,523	4.9	110,273	573,165	4.7	105,772	579,004
2026	2,312,350	3.0	69,371	462,430	4.9	113,305	578,049	4.7	108,680	583,938
2027	2,375,940	3.0	71,278	465,835	4.9	116,421	582,306	4.7	111,669	588,238
2028	2,441,278	3.0	73,238	468,682	4.9	119,623	585,865	4.7	114,740	591,833
2029	2,508,413	3.0	75,252	470,910	4.9	122,912	588,650	4.7	117,895	594,647
2030	2,577,394	3.0	77,322	472,453	4.9	126,292	590,579	4.7	121,138	596,596
2031	2,648,272	3.0	79,448	473,240	4.9	129,765	591,563	4.7	124,469	597,590
2032	2,721,099	3.0	81,633	473,194	4.9	133,334	591,506	4.7	127,892	597,532
2033	2,795,929	3.0	83,878	472,233	4.9	137,001	590,305	4.7	131,409	596,319

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	6.3%	\$137,985	\$ 657,253	6.8%	\$148,936	\$ 681,262	7.7%	\$168,648	\$ 740,922
2025	2,250,462	6.3	141,779	663,558	6.8	153,031	687,797	7.7	173,286	748,029
2026	2,312,350	6.3	145,678	669,212	6.8	157,240	693,658	7.7	178,051	754,403
2027	2,375,940	6.3	149,684	674,140	6.8	161,564	698,766	7.7	182,947	759,959
2028	2,441,278	6.3	153,801	678,261	6.8	166,007	703,037	7.7	187,978	764,604
2029	2,508,413	6.3	158,030	681,486	6.8	170,572	706,379	7.7	193,148	768,239
2030	2,577,394	6.3	162,376	683,719	6.8	175,263	708,694	7.7	198,459	770,757
2031	2,648,272	6.3	166,841	684,858	6.8	180,082	709,875	7.7	203,917	772,041
2032	2,721,099	6.3	171,429	684,792	6.8	185,035	709,807	7.7	209,525	771,967
2033	2,795,929	6.3	176,144	683,401	6.8	190,123	708,366	7.7	215,287	770,399

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	8.8%	\$192,740	\$ 794,826	9.2%	\$201,501	\$ 824,615	10.7%	\$234,355	\$ 908,328
2025	2,250,462	8.8	198,041	802,450	9.2	207,043	832,525	10.7	240,799	917,041
2026	2,312,350	8.8	203,487	809,288	9.2	212,736	839,619	10.7	247,421	924,855
2027	2,375,940	8.8	209,083	815,248	9.2	218,586	845,802	10.7	254,226	931,666
2028	2,441,278	8.8	214,832	820,231	9.2	224,598	850,972	10.7	261,217	937,361
2029	2,508,413	8.8	220,740	824,131	9.2	230,774	855,018	10.7	268,400	941,817
2030	2,577,394	8.8	226,811	826,832	9.2	237,120	857,820	10.7	275,781	944,903
2031	2,648,272	8.8	233,048	828,210	9.2	243,641	859,249	10.7	283,365	946,477
2032	2,721,099	8.8	239,457	828,130	9.2	250,341	859,166	10.7	291,158	946,386
2033	2,795,929	8.8	246,042	826,448	9.2	257,225	857,421	10.7	299,164	944,464

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.





# Warren County - Police

## Employer Contribution Rates (0% Member Contribution Rate, 3 Year FAS)

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	8.9%	\$194,931	\$ 468,501	11.0%	\$240,925	\$ 585,539	10.7%	\$234,355	\$ 592,086
2025	2,250,462	8.9	200,291	472,995	11.0	247,551	591,156	10.7	240,799	597,766
2026	2,312,350	8.9	205,799	477,025	11.0	254,359	596,193	10.7	247,421	602,860
2027	2,375,940	8.9	211,459	480,538	11.0	261,353	600,584	10.7	254,226	607,300
2028	2,441,278	8.9	217,274	483,475	11.0	268,541	604,255	10.7	261,217	611,012
2029	2,508,413	8.9	223,249	485,774	11.0	275,925	607,128	10.7	268,400	613,917
2030	2,577,394	8.9	229,388	487,366	11.0	283,513	609,118	10.7	275,781	615,929
2031	2,648,272	8.9	235,696	488,178	11.0	291,310	610,133	10.7	283,365	616,955
2032	2,721,099	8.9	242,178	488,131	11.0	299,321	610,074	10.7	291,158	616,896
2033	2,795,929	8.9	248,838	487,140	11.0	307,552	608,835	10.7	299,164	615,643

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	12.3%	\$269,398	\$ 678,251	13.0%	\$284,730	\$ 702,711	13.8%	\$302,252	\$ 764,451
2025	2,250,462	12.3	276,807	684,757	13.0	292,560	709,452	13.8	310,564	771,784
2026	2,312,350	12.3	284,419	690,592	13.0	300,606	715,497	13.8	319,104	778,361
2027	2,375,940	12.3	292,241	695,678	13.0	308,872	720,766	13.8	327,880	784,093
2028	2,441,278	12.3	300,277	699,930	13.0	317,366	725,171	13.8	336,896	788,886
2029	2,508,413	12.3	308,535	703,258	13.0	326,094	728,619	13.8	346,161	792,636
2030	2,577,394	12.3	317,019	705,563	13.0	335,061	731,007	13.8	355,680	795,234
2031	2,648,272	12.3	325,737	706,739	13.0	344,275	732,225	13.8	365,462	796,559
2032	2,721,099	12.3	334,695	706,671	13.0	353,743	732,155	13.8	375,512	796,482
2033	2,795,929	12.3	343,899	705,236	13.0	363,471	730,668	13.8	385,838	794,864

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	15.0%	\$328,535	\$ 819,734	15.5%	\$339,486	\$ 850,664	17.0%	\$372,339	\$ 936,964
2025	2,250,462	15.0	337,569	827,597	15.5	348,822	858,824	17.0	382,579	945,952
2026	2,312,350	15.0	346,853	834,649	15.5	358,414	866,142	17.0	393,100	954,013
2027	2,375,940	15.0	356,391	840,796	15.5	368,271	872,520	17.0	403,910	961,039
2028	2,441,278	15.0	366,192	845,935	15.5	378,398	877,853	17.0	415,017	966,913
2029	2,508,413	15.0	376,262	849,957	15.5	388,804	882,026	17.0	426,430	971,510
2030	2,577,394	15.0	386,609	852,742	15.5	399,496	884,916	17.0	438,157	974,694
2031	2,648,272	15.0	397,241	854,163	15.5	410,482	886,390	17.0	450,206	976,318
2032	2,721,099	15.0	408,165	854,081	15.5	421,770	886,305	17.0	462,587	976,224
2033	2,795,929	15.0	419,389	852,347	15.5	433,369	884,505	17.0	475,308	974,241

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Police

## Employer Contribution Rates (2% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	7.0%	\$153,316	\$ 468,501	9.1%	\$199,311	\$ 585,539	8.8%	\$192,740	\$ 592,086
2025	2,250,462	7.0	157,532	472,995	9.1	204,792	591,156	8.8	198,041	597,766
2026	2,312,350	7.0	161,865	477,025	9.1	210,424	596,193	8.8	203,487	602,860
2027	2,375,940	7.0	166,316	480,538	9.1	216,211	600,584	8.8	209,083	607,300
2028	2,441,278	7.0	170,889	483,475	9.1	222,156	604,255	8.8	214,832	611,012
2029	2,508,413	7.0	175,589	485,774	9.1	228,266	607,128	8.8	220,740	613,917
2030	2,577,394	7.0	180,418	487,366	9.1	234,543	609,118	8.8	226,811	615,929
2031	2,648,272	7.0	185,379	488,178	9.1	240,993	610,133	8.8	233,048	616,955
2032	2,721,099	7.0	190,477	488,131	9.1	247,620	610,074	8.8	239,457	616,896
2033	2,795,929	7.0	195,715	487,140	9.1	254,430	608,835	8.8	246,042	615,643

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	10.4%	\$227,784	\$ 678,251	11.1%	\$243,116	\$ 702,711	11.9%	\$260,637	\$ 764,451
2025	2,250,462	10.4	234,048	684,757	11.1	249,801	709,452	11.9	267,805	771,784
2026	2,312,350	10.4	240,484	690,592	11.1	256,671	715,497	11.9	275,170	778,361
2027	2,375,940	10.4	247,098	695,678	11.1	263,729	720,766	11.9	282,737	784,093
2028	2,441,278	10.4	253,893	699,930	11.1	270,982	725,171	11.9	290,512	788,886
2029	2,508,413	10.4	260,875	703,258	11.1	278,434	728,619	11.9	298,501	792,636
2030	2,577,394	10.4	268,049	705,563	11.1	286,091	731,007	11.9	306,710	795,234
2031	2,648,272	10.4	275,420	706,739	11.1	293,958	732,225	11.9	315,144	796,559
2032	2,721,099	10.4	282,994	706,671	11.1	302,042	732,155	11.9	323,811	796,482
2033	2,795,929	10.4	290,777	705,236	11.1	310,348	730,668	11.9	332,716	794,864

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	13.1%	\$286,920	\$ 819,734	13.6%	\$297,871	\$ 850,664	15.1%	\$330,725	\$ 936,964
2025	2,250,462	13.1	294,811	827,597	13.6	306,063	858,824	15.1	339,820	945,952
2026	2,312,350	13.1	302,918	834,649	13.6	314,480	866,142	15.1	349,165	954,013
2027	2,375,940	13.1	311,248	840,796	13.6	323,128	872,520	15.1	358,767	961,039
2028	2,441,278	13.1	319,807	845,935	13.6	332,014	877,853	15.1	368,633	966,913
2029	2,508,413	13.1	328,602	849,957	13.6	341,144	882,026	15.1	378,770	971,510
2030	2,577,394	13.1	337,639	852,742	13.6	350,526	884,916	15.1	389,186	974,694
2031	2,648,272	13.1	346,924	854,163	13.6	360,165	886,390	15.1	399,889	976,318
2032	2,721,099	13.1	356,464	854,081	13.6	370,069	886,305	15.1	410,886	976,224
2033	2,795,929	13.1	366,267	852,347	13.6	380,246	884,505	15.1	422,185	974,241

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Police

## Employer Contribution Rates (4% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	5.1%	\$111,702	\$ 468,501	7.2%	\$157,697	\$ 585,539	6.9%	\$151,126	\$ 592,086
2025	2,250,462	5.1	114,774	472,995	7.2	162,033	591,156	6.9	155,282	597,766
2026	2,312,350	5.1	117,930	477,025	7.2	166,489	596,193	6.9	159,552	602,860
2027	2,375,940	5.1	121,173	480,538	7.2	171,068	600,584	6.9	163,940	607,300
2028	2,441,278	5.1	124,505	483,475	7.2	175,772	604,255	6.9	168,448	611,012
2029	2,508,413	5.1	127,929	485,774	7.2	180,606	607,128	6.9	173,080	613,917
2030	2,577,394	5.1	131,447	487,366	7.2	185,572	609,118	6.9	177,840	615,929
2031	2,648,272	5.1	135,062	488,178	7.2	190,676	610,133	6.9	182,731	616,955
2032	2,721,099	5.1	138,776	488,131	7.2	195,919	610,074	6.9	187,756	616,896
2033	2,795,929	5.1	142,592	487,140	7.2	201,307	608,835	6.9	192,919	615,643

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	8.5%	\$186,170	\$ 678,251	9.2%	\$201,501	\$ 702,711	10.0%	\$219,023	\$ 764,451
2025	2,250,462	8.5	191,289	684,757	9.2	207,043	709,452	10.0	225,046	771,784
2026	2,312,350	8.5	196,550	690,592	9.2	212,736	715,497	10.0	231,235	778,361
2027	2,375,940	8.5	201,955	695,678	9.2	218,586	720,766	10.0	237,594	784,093
2028	2,441,278	8.5	207,509	699,930	9.2	224,598	725,171	10.0	244,128	788,886
2029	2,508,413	8.5	213,215	703,258	9.2	230,774	728,619	10.0	250,841	792,636
2030	2,577,394	8.5	219,078	705,563	9.2	237,120	731,007	10.0	257,739	795,234
2031	2,648,272	8.5	225,103	706,739	9.2	243,641	732,225	10.0	264,827	796,559
2032	2,721,099	8.5	231,293	706,671	9.2	250,341	732,155	10.0	272,110	796,482
2033	2,795,929	8.5	237,654	705,236	9.2	257,225	730,668	10.0	279,593	794,864

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	11.2%	\$245,306	\$ 819,734	11.7%	\$256,257	\$ 850,664	13.2%	\$289,110	\$ 936,964
2025	2,250,462	11.2	252,052	827,597	11.7	263,304	858,824	13.2	297,061	945,952
2026	2,312,350	11.2	258,983	834,649	11.7	270,545	866,142	13.2	305,230	954,013
2027	2,375,940	11.2	266,105	840,796	11.7	277,985	872,520	13.2	313,624	961,039
2028	2,441,278	11.2	273,423	845,935	11.7	285,630	877,853	13.2	322,249	966,913
2029	2,508,413	11.2	280,942	849,957	11.7	293,484	882,026	13.2	331,111	971,510
2030	2,577,394	11.2	288,668	852,742	11.7	301,555	884,916	13.2	340,216	974,694
2031	2,648,272	11.2	296,606	854,163	11.7	309,848	886,390	13.2	349,572	976,318
2032	2,721,099	11.2	304,763	854,081	11.7	318,369	886,305	13.2	359,185	976,224
2033	2,795,929	11.2	313,144	852,347	11.7	327,124	884,505	13.2	369,063	974,241

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Police

## Employer Contribution Rates (6% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	3.2%	\$70,087	\$ 468,501	5.3%	\$116,082	\$ 585,539	5.0%	\$109,512	\$ 592,086
2025	2,250,462	3.2	72,015	472,995	5.3	119,274	591,156	5.0	112,523	597,766
2026	2,312,350	3.2	73,995	477,025	5.3	122,555	596,193	5.0	115,618	602,860
2027	2,375,940	3.2	76,030	480,538	5.3	125,925	600,584	5.0	118,797	607,300
2028	2,441,278	3.2	78,121	483,475	5.3	129,388	604,255	5.0	122,064	611,012
2029	2,508,413	3.2	80,269	485,774	5.3	132,946	607,128	5.0	125,421	613,917
2030	2,577,394	3.2	82,477	487,366	5.3	136,602	609,118	5.0	128,870	615,929
2031	2,648,272	3.2	84,745	488,178	5.3	140,358	610,133	5.0	132,414	616,955
2032	2,721,099	3.2	87,075	488,131	5.3	144,218	610,074	5.0	136,055	616,896
2033	2,795,929	3.2	89,470	487,140	5.3	148,184	608,835	5.0	139,796	615,643

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	6.6%	\$144,555	\$ 678,251	7.3%	\$159,887	\$ 702,711	8.1%	\$177,409	\$ 764,451
2025	2,250,462	6.6	148,530	684,757	7.3	164,284	709,452	8.1	182,287	771,784
2026	2,312,350	6.6	152,615	690,592	7.3	168,802	715,497	8.1	187,300	778,361
2027	2,375,940	6.6	156,812	695,678	7.3	173,444	720,766	8.1	192,451	784,093
2028	2,441,278	6.6	161,124	699,930	7.3	178,213	725,171	8.1	197,744	788,886
2029	2,508,413	6.6	165,555	703,258	7.3	183,114	728,619	8.1	203,181	792,636
2030	2,577,394	6.6	170,108	705,563	7.3	188,150	731,007	8.1	208,769	795,234
2031	2,648,272	6.6	174,786	706,739	7.3	193,324	732,225	8.1	214,510	796,559
2032	2,721,099	6.6	179,593	706,671	7.3	198,640	732,155	8.1	220,409	796,482
2033	2,795,929	6.6	184,531	705,236	7.3	204,103	730,668	8.1	226,470	794,864

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	9.3%	\$203,691	\$ 819,734	9.8%	\$214,643	\$ 850,664	11.3%	\$247,496	\$ 936,964
2025	2,250,462	9.3	209,293	827,597	9.8	220,545	858,824	11.3	254,302	945,952
2026	2,312,350	9.3	215,049	834,649	9.8	226,610	866,142	11.3	261,296	954,013
2027	2,375,940	9.3	220,962	840,796	9.8	232,842	872,520	11.3	268,481	961,039
2028	2,441,278	9.3	227,039	845,935	9.8	239,245	877,853	11.3	275,864	966,913
2029	2,508,413	9.3	233,282	849,957	9.8	245,824	882,026	11.3	283,451	971,510
2030	2,577,394	9.3	239,698	852,742	9.8	252,585	884,916	11.3	291,246	974,694
2031	2,648,272	9.3	246,289	854,163	9.8	259,531	886,390	11.3	299,255	976,318
2032	2,721,099	9.3	253,062	854,081	9.8	266,668	886,305	11.3	307,484	976,224
2033	2,795,929	9.3	260,021	852,347	9.8	274,001	884,505	11.3	315,940	974,241

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Police

## Employer Contribution Rates (0% Member Contribution Rate, 5 Year FAS)

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	8.9%	\$194,931	\$ 454,902	10.8%	\$236,545	\$ 568,635	10.9%	\$238,735	\$ 606,862
2025	2,250,462	8.9	200,291	459,266	10.8	243,050	574,090	10.9	245,300	612,683
2026	2,312,350	8.9	205,799	463,179	10.8	249,734	578,982	10.9	252,046	617,904
2027	2,375,940	8.9	211,459	466,590	10.8	256,602	583,246	10.9	258,977	622,454
2028	2,441,278	8.9	217,274	469,442	10.8	263,658	586,811	10.9	266,099	626,259
2029	2,508,413	8.9	223,249	471,674	10.8	270,909	589,601	10.9	273,417	629,236
2030	2,577,394	8.9	229,388	473,220	10.8	278,359	591,533	10.9	280,936	631,298
2031	2,648,272	8.9	235,696	474,008	10.8	286,013	592,519	10.9	288,662	632,350
2032	2,721,099	8.9	242,178	473,962	10.8	293,879	592,462	10.9	296,600	632,289
2033	2,795,929	8.9	248,838	472,999	10.8	301,960	591,259	10.9	304,756	631,005

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	12.4%	\$271,589	\$ 682,558	12.8%	\$280,350	\$ 682,316	13.9%	\$304,442	\$ 758,271
2025	2,250,462	12.4	279,057	689,106	12.8	288,059	688,861	13.9	312,814	765,545
2026	2,312,350	12.4	286,731	694,978	12.8	295,981	694,731	13.9	321,417	772,068
2027	2,375,940	12.4	294,617	700,096	12.8	304,120	699,847	13.9	330,256	777,754
2028	2,441,278	12.4	302,718	704,375	12.8	312,484	704,125	13.9	339,338	782,508
2029	2,508,413	12.4	311,043	707,724	12.8	321,077	707,473	13.9	348,669	786,228
2030	2,577,394	12.4	319,597	710,043	12.8	329,906	709,791	13.9	358,258	788,805
2031	2,648,272	12.4	328,386	711,226	12.8	338,979	710,974	13.9	368,110	790,119
2032	2,721,099	12.4	337,416	711,158	12.8	348,301	710,906	13.9	378,233	790,043
2033	2,795,929	12.4	346,695	709,714	12.8	357,879	709,462	13.9	388,634	788,439

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	14.8%	\$324,154	\$ 796,078	15.3%	\$335,105	\$ 834,020	16.8%	\$367,959	\$ 909,741
2025	2,250,462	14.8	333,068	803,715	15.3	344,321	842,020	16.8	378,078	918,468
2026	2,312,350	14.8	342,228	810,564	15.3	353,790	849,195	16.8	388,475	926,294
2027	2,375,940	14.8	351,639	816,533	15.3	363,519	855,449	16.8	399,158	933,115
2028	2,441,278	14.8	361,309	821,524	15.3	373,516	860,678	16.8	410,135	938,818
2029	2,508,413	14.8	371,245	825,430	15.3	383,787	864,770	16.8	421,413	943,281
2030	2,577,394	14.8	381,454	828,135	15.3	394,341	867,604	16.8	433,002	946,372
2031	2,648,272	14.8	391,944	829,515	15.3	405,186	869,050	16.8	444,910	947,949
2032	2,721,099	14.8	402,723	829,435	15.3	416,328	868,966	16.8	457,145	947,858
2033	2,795,929	14.8	413,797	827,751	15.3	427,777	867,201	16.8	469,716	945,933

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Police

## Employer Contribution Rates (2% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	7.0%	\$153,316	\$ 454,902	8.9%	\$194,931	\$ 568,635	9.0%	\$197,121	\$ 606,862
2025	2,250,462	7.0	157,532	459,266	8.9	200,291	574,090	9.0	202,542	612,683
2026	2,312,350	7.0	161,865	463,179	8.9	205,799	578,982	9.0	208,112	617,904
2027	2,375,940	7.0	166,316	466,590	8.9	211,459	583,246	9.0	213,835	622,454
2028	2,441,278	7.0	170,889	469,442	8.9	217,274	586,811	9.0	219,715	626,259
2029	2,508,413	7.0	175,589	471,674	8.9	223,249	589,601	9.0	225,757	629,236
2030	2,577,394	7.0	180,418	473,220	8.9	229,388	591,533	9.0	231,965	631,298
2031	2,648,272	7.0	185,379	474,008	8.9	235,696	592,519	9.0	238,344	632,350
2032	2,721,099	7.0	190,477	473,962	8.9	242,178	592,462	9.0	244,899	632,289
2033	2,795,929	7.0	195,715	472,999	8.9	248,838	591,259	9.0	251,634	631,005

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	10.5%	\$229,974	\$ 682,558	10.9%	\$238,735	\$ 682,316	12.0%	\$262,828	\$ 758,271
2025	2,250,462	10.5	236,299	689,106	10.9	245,300	688,861	12.0	270,055	765,545
2026	2,312,350	10.5	242,797	694,978	10.9	252,046	694,731	12.0	277,482	772,068
2027	2,375,940	10.5	249,474	700,096	10.9	258,977	699,847	12.0	285,113	777,754
2028	2,441,278	10.5	256,334	704,375	10.9	266,099	704,125	12.0	292,953	782,508
2029	2,508,413	10.5	263,383	707,724	10.9	273,417	707,473	12.0	301,010	786,228
2030	2,577,394	10.5	270,626	710,043	10.9	280,936	709,791	12.0	309,287	788,805
2031	2,648,272	10.5	278,069	711,226	10.9	288,662	710,974	12.0	317,793	790,119
2032	2,721,099	10.5	285,715	711,158	10.9	296,600	710,906	12.0	326,532	790,043
2033	2,795,929	10.5	293,573	709,714	10.9	304,756	709,462	12.0	335,511	788,439

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	12.9%	\$282,540	\$ 796,078	13.4%	\$293,491	\$ 834,020	14.9%	\$326,344	\$ 909,741
2025	2,250,462	12.9	290,310	803,715	13.4	301,562	842,020	14.9	335,319	918,468
2026	2,312,350	12.9	298,293	810,564	13.4	309,855	849,195	14.9	344,540	926,294
2027	2,375,940	12.9	306,496	816,533	13.4	318,376	855,449	14.9	354,015	933,115
2028	2,441,278	12.9	314,925	821,524	13.4	327,131	860,678	14.9	363,750	938,818
2029	2,508,413	12.9	323,585	825,430	13.4	336,127	864,770	14.9	373,754	943,281
2030	2,577,394	12.9	332,484	828,135	13.4	345,371	867,604	14.9	384,032	946,372
2031	2,648,272	12.9	341,627	829,515	13.4	354,868	869,050	14.9	394,593	947,949
2032	2,721,099	12.9	351,022	829,435	13.4	364,627	868,966	14.9	405,444	947,858
2033	2,795,929	12.9	360,675	827,751	13.4	374,654	867,201	14.9	416,593	945,933

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Police

## Employer Contribution Rates (4% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	5.1%	\$111,702	\$ 454,902	7.0%	\$153,316	\$ 568,635	7.1%	\$155,506	\$ 606,862
2025	2,250,462	5.1	114,774	459,266	7.0	157,532	574,090	7.1	159,783	612,683
2026	2,312,350	5.1	117,930	463,179	7.0	161,865	578,982	7.1	164,177	617,904
2027	2,375,940	5.1	121,173	466,590	7.0	166,316	583,246	7.1	168,692	622,454
2028	2,441,278	5.1	124,505	469,442	7.0	170,889	586,811	7.1	173,331	626,259
2029	2,508,413	5.1	127,929	471,674	7.0	175,589	589,601	7.1	178,097	629,236
2030	2,577,394	5.1	131,447	473,220	7.0	180,418	591,533	7.1	182,995	631,298
2031	2,648,272	5.1	135,062	474,008	7.0	185,379	592,519	7.1	188,027	632,350
2032	2,721,099	5.1	138,776	473,962	7.0	190,477	592,462	7.1	193,198	632,289
2033	2,795,929	5.1	142,592	472,999	7.0	195,715	591,259	7.1	198,511	631,005

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	8.6%	\$188,360	\$ 682,558	9.0%	\$197,121	\$ 682,316	10.1%	\$221,213	\$ 758,271
2025	2,250,462	8.6	193,540	689,106	9.0	202,542	688,861	10.1	227,297	765,545
2026	2,312,350	8.6	198,862	694,978	9.0	208,112	694,731	10.1	233,547	772,068
2027	2,375,940	8.6	204,331	700,096	9.0	213,835	699,847	10.1	239,970	777,754
2028	2,441,278	8.6	209,950	704,375	9.0	219,715	704,125	10.1	246,569	782,508
2029	2,508,413	8.6	215,724	707,724	9.0	225,757	707,473	10.1	253,350	786,228
2030	2,577,394	8.6	221,656	710,043	9.0	231,965	709,791	10.1	260,317	788,805
2031	2,648,272	8.6	227,751	711,226	9.0	238,344	710,974	10.1	267,475	790,119
2032	2,721,099	8.6	234,015	711,158	9.0	244,899	710,906	10.1	274,831	790,043
2033	2,795,929	8.6	240,450	709,714	9.0	251,634	709,462	10.1	282,389	788,439

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	11.0%	\$240,925	\$ 796,078	11.5%	\$251,877	\$ 834,020	13.0%	\$284,730	\$ 909,741
2025	2,250,462	11.0	247,551	803,715	11.5	258,803	842,020	13.0	292,560	918,468
2026	2,312,350	11.0	254,359	810,564	11.5	265,920	849,195	13.0	300,606	926,294
2027	2,375,940	11.0	261,353	816,533	11.5	273,233	855,449	13.0	308,872	933,115
2028	2,441,278	11.0	268,541	821,524	11.5	280,747	860,678	13.0	317,366	938,818
2029	2,508,413	11.0	275,925	825,430	11.5	288,467	864,770	13.0	326,094	943,281
2030	2,577,394	11.0	283,513	828,135	11.5	296,400	867,604	13.0	335,061	946,372
2031	2,648,272	11.0	291,310	829,515	11.5	304,551	869,050	13.0	344,275	947,949
2032	2,721,099	11.0	299,321	829,435	11.5	312,926	868,966	13.0	353,743	947,858
2033	2,795,929	11.0	307,552	827,751	11.5	321,532	867,201	13.0	363,471	945,933

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Police

## Employer Contribution Rates (6% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	3.2%	\$70,087	\$ 454,902	5.1%	\$111,702	\$ 568,635	5.2%	\$113,892	\$ 606,862
2025	2,250,462	3.2	72,015	459,266	5.1	114,774	574,090	5.2	117,024	612,683
2026	2,312,350	3.2	73,995	463,179	5.1	117,930	578,982	5.2	120,242	617,904
2027	2,375,940	3.2	76,030	466,590	5.1	121,173	583,246	5.2	123,549	622,454
2028	2,441,278	3.2	78,121	469,442	5.1	124,505	586,811	5.2	126,946	626,259
2029	2,508,413	3.2	80,269	471,674	5.1	127,929	589,601	5.2	130,437	629,236
2030	2,577,394	3.2	82,477	473,220	5.1	131,447	591,533	5.2	134,024	631,298
2031	2,648,272	3.2	84,745	474,008	5.1	135,062	592,519	5.2	137,710	632,350
2032	2,721,099	3.2	87,075	473,962	5.1	138,776	592,462	5.2	141,497	632,289
2033	2,795,929	3.2	89,470	472,999	5.1	142,592	591,259	5.2	145,388	631,005

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	6.7%	\$146,745	\$ 682,558	7.1%	\$155,506	\$ 682,316	8.2%	\$179,599	\$ 758,271
2025	2,250,462	6.7	150,781	689,106	7.1	159,783	688,861	8.2	184,538	765,545
2026	2,312,350	6.7	154,927	694,978	7.1	164,177	694,731	8.2	189,613	772,068
2027	2,375,940	6.7	159,188	700,096	7.1	168,692	699,847	8.2	194,827	777,754
2028	2,441,278	6.7	163,566	704,375	7.1	173,331	704,125	8.2	200,185	782,508
2029	2,508,413	6.7	168,064	707,724	7.1	178,097	707,473	8.2	205,690	786,228
2030	2,577,394	6.7	172,685	710,043	7.1	182,995	709,791	8.2	211,346	788,805
2031	2,648,272	6.7	177,434	711,226	7.1	188,027	710,974	8.2	217,158	790,119
2032	2,721,099	6.7	182,314	711,158	7.1	193,198	710,906	8.2	223,130	790,043
2033	2,795,929	6.7	187,327	709,714	7.1	198,511	709,462	8.2	229,266	788,439

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	9.1%	\$199,311	\$ 796,078	9.6%	\$210,262	\$ 834,020	11.1%	\$243,116	\$ 909,741
2025	2,250,462	9.1	204,792	803,715	9.6	216,044	842,020	11.1	249,801	918,468
2026	2,312,350	9.1	210,424	810,564	9.6	221,986	849,195	11.1	256,671	926,294
2027	2,375,940	9.1	216,211	816,533	9.6	228,090	855,449	11.1	263,729	933,115
2028	2,441,278	9.1	222,156	821,524	9.6	234,363	860,678	11.1	270,982	938,818
2029	2,508,413	9.1	228,266	825,430	9.6	240,808	864,770	11.1	278,434	943,281
2030	2,577,394	9.1	234,543	828,135	9.6	247,430	867,604	11.1	286,091	946,372
2031	2,648,272	9.1	240,993	829,515	9.6	254,234	869,050	11.1	293,958	947,949
2032	2,721,099	9.1	247,620	829,435	9.6	261,226	868,966	11.1	302,042	947,858
2033	2,795,929	9.1	254,430	827,751	9.6	268,409	867,201	11.1	310,348	945,933

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.





# Warren County - Police

## Employer Contribution Rates (0% Member Contribution Rate, 3 Year FAS)

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	9.2%	\$201,501	\$ 469,625	11.2%	\$245,306	\$ 586,971	11.4%	\$249,686	\$ 627,038
2025	2,250,462	9.2	207,043	474,130	11.2	252,052	592,602	11.4	256,553	633,053
2026	2,312,350	9.2	212,736	478,170	11.2	258,983	597,652	11.4	263,608	638,447
2027	2,375,940	9.2	218,586	481,691	11.2	266,105	602,053	11.4	270,857	643,149
2028	2,441,278	9.2	224,598	484,635	11.2	273,423	605,733	11.4	278,306	647,080
2029	2,508,413	9.2	230,774	486,939	11.2	280,942	608,613	11.4	285,959	650,156
2030	2,577,394	9.2	237,120	488,535	11.2	288,668	610,607	11.4	293,823	652,287
2031	2,648,272	9.2	243,641	489,349	11.2	296,606	611,624	11.4	301,903	653,374
2032	2,721,099	9.2	250,341	489,302	11.2	304,763	611,565	11.4	310,205	653,311
2033	2,795,929	9.2	257,225	488,308	11.2	313,144	610,323	11.4	318,736	651,984

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	12.9%	\$282,540	\$ 705,041	13.3%	\$291,301	\$ 704,450	14.4%	\$315,393	\$ 783,128
2025	2,250,462	12.9	290,310	711,804	13.3	299,311	711,208	14.4	324,067	790,640
2026	2,312,350	12.9	298,293	717,869	13.3	307,543	717,268	14.4	332,978	797,377
2027	2,375,940	12.9	306,496	723,156	13.3	316,000	722,550	14.4	342,135	803,249
2028	2,441,278	12.9	314,925	727,576	13.3	324,690	726,966	14.4	351,544	808,159
2029	2,508,413	12.9	323,585	731,035	13.3	333,619	730,422	14.4	361,211	812,001
2030	2,577,394	12.9	332,484	733,431	13.3	342,793	732,816	14.4	371,145	814,662
2031	2,648,272	12.9	341,627	734,653	13.3	352,220	734,037	14.4	381,351	816,019
2032	2,721,099	12.9	351,022	734,582	13.3	361,906	733,966	14.4	391,838	815,940
2033	2,795,929	12.9	360,675	733,090	13.3	371,859	732,475	14.4	402,614	814,283

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	15.3%	\$335,105	\$ 821,738	15.9%	\$348,247	\$ 861,098	17.4%	\$381,100	\$ 939,286
2025	2,250,462	15.3	344,321	829,621	15.9	357,823	869,358	17.4	391,580	948,296
2026	2,312,350	15.3	353,790	836,690	15.9	367,664	876,766	17.4	402,349	956,377
2027	2,375,940	15.3	363,519	842,852	15.9	377,774	883,223	17.4	413,414	963,420
2028	2,441,278	15.3	373,516	848,004	15.9	388,163	888,621	17.4	424,782	969,309
2029	2,508,413	15.3	383,787	852,036	15.9	398,838	892,846	17.4	436,464	973,917
2030	2,577,394	15.3	394,341	854,828	15.9	409,806	895,772	17.4	448,467	977,109
2031	2,648,272	15.3	405,186	856,252	15.9	421,075	897,264	17.4	460,799	978,737
2032	2,721,099	15.3	416,328	856,170	15.9	432,655	897,178	17.4	473,471	978,643
2033	2,795,929	15.3	427,777	854,431	15.9	444,553	895,356	17.4	486,492	976,656

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Police

## Employer Contribution Rates (2% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	7.3%	\$159,887	\$ 469,625	9.3%	\$203,691	\$ 586,971	9.5%	\$208,072	\$ 627,038
2025	2,250,462	7.3	164,284	474,130	9.3	209,293	592,602	9.5	213,794	633,053
2026	2,312,350	7.3	168,802	478,170	9.3	215,049	597,652	9.5	219,673	638,447
2027	2,375,940	7.3	173,444	481,691	9.3	220,962	602,053	9.5	225,714	643,149
2028	2,441,278	7.3	178,213	484,635	9.3	227,039	605,733	9.5	231,921	647,080
2029	2,508,413	7.3	183,114	486,939	9.3	233,282	608,613	9.5	238,299	650,156
2030	2,577,394	7.3	188,150	488,535	9.3	239,698	610,607	9.5	244,852	652,287
2031	2,648,272	7.3	193,324	489,349	9.3	246,289	611,624	9.5	251,586	653,374
2032	2,721,099	7.3	198,640	489,302	9.3	253,062	611,565	9.5	258,504	653,311
2033	2,795,929	7.3	204,103	488,308	9.3	260,021	610,323	9.5	265,613	651,984

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	11.0%	\$240,925	\$ 705,041	11.4%	\$249,686	\$ 704,450	12.5%	\$273,779	\$ 783,128
2025	2,250,462	11.0	247,551	711,804	11.4	256,553	711,208	12.5	281,308	790,640
2026	2,312,350	11.0	254,359	717,869	11.4	263,608	717,268	12.5	289,044	797,377
2027	2,375,940	11.0	261,353	723,156	11.4	270,857	722,550	12.5	296,993	803,249
2028	2,441,278	11.0	268,541	727,576	11.4	278,306	726,966	12.5	305,160	808,159
2029	2,508,413	11.0	275,925	731,035	11.4	285,959	730,422	12.5	313,552	812,001
2030	2,577,394	11.0	283,513	733,431	11.4	293,823	732,816	12.5	322,174	814,662
2031	2,648,272	11.0	291,310	734,653	11.4	301,903	734,037	12.5	331,034	816,019
2032	2,721,099	11.0	299,321	734,582	11.4	310,205	733,966	12.5	340,137	815,940
2033	2,795,929	11.0	307,552	733,090	11.4	318,736	732,475	12.5	349,491	814,283

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	13.4%	\$293,491	\$ 821,738	14.0%	\$306,632	\$ 861,098	15.5%	\$339,486	\$ 939,286
2025	2,250,462	13.4	301,562	829,621	14.0	315,065	869,358	15.5	348,822	948,296
2026	2,312,350	13.4	309,855	836,690	14.0	323,729	876,766	15.5	358,414	956,377
2027	2,375,940	13.4	318,376	842,852	14.0	332,632	883,223	15.5	368,271	963,420
2028	2,441,278	13.4	327,131	848,004	14.0	341,779	888,621	15.5	378,398	969,309
2029	2,508,413	13.4	336,127	852,036	14.0	351,178	892,846	15.5	388,804	973,917
2030	2,577,394	13.4	345,371	854,828	14.0	360,835	895,772	15.5	399,496	977,109
2031	2,648,272	13.4	354,868	856,252	14.0	370,758	897,264	15.5	410,482	978,737
2032	2,721,099	13.4	364,627	856,170	14.0	380,954	897,178	15.5	421,770	978,643
2033	2,795,929	13.4	374,654	854,431	14.0	391,430	895,356	15.5	433,369	976,656

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Police

## Employer Contribution Rates (4% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	5.4%	\$118,272	\$ 469,625	7.4%	\$162,077	\$ 586,971	7.6%	\$166,458	\$ 627,038
2025	2,250,462	5.4	121,525	474,130	7.4	166,534	592,602	7.6	171,035	633,053
2026	2,312,350	5.4	124,867	478,170	7.4	171,114	597,652	7.6	175,739	638,447
2027	2,375,940	5.4	128,301	481,691	7.4	175,820	602,053	7.6	180,571	643,149
2028	2,441,278	5.4	131,829	484,635	7.4	180,655	605,733	7.6	185,537	647,080
2029	2,508,413	5.4	135,454	486,939	7.4	185,623	608,613	7.6	190,639	650,156
2030	2,577,394	5.4	139,179	488,535	7.4	190,727	610,607	7.6	195,882	652,287
2031	2,648,272	5.4	143,007	489,349	7.4	195,972	611,624	7.6	201,269	653,374
2032	2,721,099	5.4	146,939	489,302	7.4	201,361	611,565	7.6	206,804	653,311
2033	2,795,929	5.4	150,980	488,308	7.4	206,899	610,323	7.6	212,491	651,984

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	9.1%	\$199,311	\$ 705,041	9.5%	\$208,072	\$ 704,450	10.6%	\$232,164	\$ 783,128
2025	2,250,462	9.1	204,792	711,804	9.5	213,794	711,208	10.6	238,549	790,640
2026	2,312,350	9.1	210,424	717,869	9.5	219,673	717,268	10.6	245,109	797,377
2027	2,375,940	9.1	216,211	723,156	9.5	225,714	722,550	10.6	251,850	803,249
2028	2,441,278	9.1	222,156	727,576	9.5	231,921	726,966	10.6	258,775	808,159
2029	2,508,413	9.1	228,266	731,035	9.5	238,299	730,422	10.6	265,892	812,001
2030	2,577,394	9.1	234,543	733,431	9.5	244,852	732,816	10.6	273,204	814,662
2031	2,648,272	9.1	240,993	734,653	9.5	251,586	734,037	10.6	280,717	816,019
2032	2,721,099	9.1	247,620	734,582	9.5	258,504	733,966	10.6	288,436	815,940
2033	2,795,929	9.1	254,430	733,090	9.5	265,613	732,475	10.6	296,368	814,283

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 2,190,231	11.5%	\$251,877	\$ 821,738	12.1%	\$265,018	\$ 861,098	13.6%	\$297,871	\$ 939,286
2025	2,250,462	11.5	258,803	829,621	12.1	272,306	869,358	13.6	306,063	948,296
2026	2,312,350	11.5	265,920	836,690	12.1	279,794	876,766	13.6	314,480	956,377
2027	2,375,940	11.5	273,233	842,852	12.1	287,489	883,223	13.6	323,128	963,420
2028	2,441,278	11.5	280,747	848,004	12.1	295,395	888,621	13.6	332,014	969,309
2029	2,508,413	11.5	288,467	852,036	12.1	303,518	892,846	13.6	341,144	973,917
2030	2,577,394	11.5	296,400	854,828	12.1	311,865	895,772	13.6	350,526	977,109
2031	2,648,272	11.5	304,551	856,252	12.1	320,441	897,264	13.6	360,165	978,737
2032	2,721,099	11.5	312,926	856,170	12.1	329,253	897,178	13.6	370,069	978,643
2033	2,795,929	11.5	321,532	854,431	12.1	338,307	895,356	13.6	380,246	976,656

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Police

## Employer Contribution Rates (6% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2024	\$ 2,190,231	3.5%	\$76,658	\$ 469,625	5.5%	\$120,463	\$ 586,971	5.7%	\$124,843	\$ 627,038
2025	2,250,462	3.5	78,766	474,130	5.5	123,775	592,602	5.7	128,276	633,053
2026	2,312,350	3.5	80,932	478,170	5.5	127,179	597,652	5.7	131,804	638,447
2027	2,375,940	3.5	83,158	481,691	5.5	130,677	602,053	5.7	135,429	643,149
2028	2,441,278	3.5	85,445	484,635	5.5	134,270	605,733	5.7	139,153	647,080
2029	2,508,413	3.5	87,794	486,939	5.5	137,963	608,613	5.7	142,980	650,156
2030	2,577,394	3.5	90,209	488,535	5.5	141,757	610,607	5.7	146,911	652,287
2031	2,648,272	3.5	92,690	489,349	5.5	145,655	611,624	5.7	150,952	653,374
2032	2,721,099	3.5	95,238	489,302	5.5	149,660	611,565	5.7	155,103	653,311
2033	2,795,929	3.5	97,858	488,308	5.5	153,776	610,323	5.7	159,368	651,984

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2024	\$ 2,190,231	7.2%	\$157,697	\$ 705,041	7.6%	\$166,458	\$ 704,450	8.7%	\$190,550	\$ 783,128
2025	2,250,462	7.2	162,033	711,804	7.6	171,035	711,208	8.7	195,790	790,640
2026	2,312,350	7.2	166,489	717,869	7.6	175,739	717,268	8.7	201,174	797,377
2027	2,375,940	7.2	171,068	723,156	7.6	180,571	722,550	8.7	206,707	803,249
2028	2,441,278	7.2	175,772	727,576	7.6	185,537	726,966	8.7	212,391	808,159
2029	2,508,413	7.2	180,606	731,035	7.6	190,639	730,422	8.7	218,232	812,001
2030	2,577,394	7.2	185,572	733,431	7.6	195,882	732,816	8.7	224,233	814,662
2031	2,648,272	7.2	190,676	734,653	7.6	201,269	734,037	8.7	230,400	816,019
2032	2,721,099	7.2	195,919	734,582	7.6	206,804	733,966	8.7	236,736	815,940
2033	2,795,929	7.2	201,307	733,090	7.6	212,491	732,475	8.7	243,246	814,283

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2024	\$ 2,190,231	9.6%	\$210,262	\$ 821,738	10.2%	\$223,404	\$ 861,098	11.7%	\$256,257	\$ 939,286
2025	2,250,462	9.6	216,044	829,621	10.2	229,547	869,358	11.7	263,304	948,296
2026	2,312,350	9.6	221,986	836,690	10.2	235,860	876,766	11.7	270,545	956,377
2027	2,375,940	9.6	228,090	842,852	10.2	242,346	883,223	11.7	277,985	963,420
2028	2,441,278	9.6	234,363	848,004	10.2	249,010	888,621	11.7	285,630	969,309
2029	2,508,413	9.6	240,808	852,036	10.2	255,858	892,846	11.7	293,484	973,917
2030	2,577,394	9.6	247,430	854,828	10.2	262,894	895,772	11.7	301,555	977,109
2031	2,648,272	9.6	254,234	856,252	10.2	270,124	897,264	11.7	309,848	978,737
2032	2,721,099	9.6	261,226	856,170	10.2	277,552	897,178	11.7	318,369	978,643
2033	2,795,929	9.6	268,409	854,431	10.2	285,185	895,356	11.7	327,124	976,656

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Public Safety

## Employer Contribution Rates (0% Member Contribution Rate, 5 Year FAS)

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	8.0%	\$84,974	\$ 121,916	9.7%	\$103,031	\$ 152,345	9.5%	\$100,906	\$ 151,846
2025	1,091,381	8.0	87,310	123,085	9.7	105,864	153,806	9.5	103,681	153,303
2026	1,121,394	8.0	89,712	124,134	9.7	108,775	155,117	9.5	106,532	154,609
2027	1,152,232	8.0	92,179	125,048	9.7	111,767	156,259	9.5	109,462	155,748
2028	1,183,918	8.0	94,713	125,812	9.7	114,840	157,214	9.5	112,472	156,700
2029	1,216,476	8.0	97,318	126,410	9.7	117,998	157,961	9.5	115,565	157,445
2030	1,249,929	8.0	99,994	126,824	9.7	121,243	158,479	9.5	118,743	157,961
2031	1,284,302	8.0	102,744	127,035	9.7	124,577	158,743	9.5	122,009	158,224
2032	1,319,620	8.0	105,570	127,023	9.7	128,003	158,728	9.5	125,364	158,209
2033	1,355,910	8.0	108,473	126,765	9.7	131,523	158,406	9.5	128,811	157,888

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	11.0%	\$116,839	\$ 174,873	11.5%	\$122,150	\$ 182,836	12.3%	\$130,647	\$ 197,805
2025	1,091,381	11.0	120,052	176,550	11.5	125,509	184,590	12.3	134,240	199,702
2026	1,121,394	11.0	123,353	178,054	11.5	128,960	186,163	12.3	137,931	201,404
2027	1,152,232	11.0	126,746	179,365	11.5	132,507	187,534	12.3	141,725	202,887
2028	1,183,918	11.0	130,231	180,461	11.5	136,151	188,680	12.3	145,622	204,127
2029	1,216,476	11.0	133,812	181,319	11.5	139,895	189,577	12.3	149,627	205,097
2030	1,249,929	11.0	137,492	181,913	11.5	143,742	190,198	12.3	153,741	205,769
2031	1,284,302	11.0	141,273	182,216	11.5	147,695	190,515	12.3	157,969	206,112
2032	1,319,620	11.0	145,158	182,198	11.5	151,756	190,497	12.3	162,313	206,092
2033	1,355,910	11.0	149,150	181,828	11.5	155,930	190,110	12.3	166,777	205,673

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	13.3%	\$141,269	\$ 213,270	13.7%	\$145,517	\$ 220,804	15.1%	\$160,388	\$ 243,773
2025	1,091,381	13.3	145,154	215,316	13.7	149,519	222,922	15.1	164,799	246,111
2026	1,121,394	13.3	149,145	217,151	13.7	153,631	224,822	15.1	169,330	248,208
2027	1,152,232	13.3	153,247	218,750	13.7	157,856	226,478	15.1	173,987	250,036
2028	1,183,918	13.3	157,461	220,087	13.7	162,197	227,862	15.1	178,772	251,564
2029	1,216,476	13.3	161,791	221,133	13.7	166,657	228,945	15.1	183,688	252,760
2030	1,249,929	13.3	166,241	221,858	13.7	171,240	229,695	15.1	188,739	253,588
2031	1,284,302	13.3	170,812	222,228	13.7	175,949	230,078	15.1	193,930	254,011
2032	1,319,620	13.3	175,509	222,207	13.7	180,788	230,056	15.1	199,263	253,987
2033	1,355,910	13.3	180,336	221,756	13.7	185,760	229,589	15.1	204,742	253,471

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Public Safety

## Employer Contribution Rates (2% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	6.1%	\$64,792	\$ 121,916	7.8%	\$82,849	\$ 152,345	7.6%	\$80,725	\$ 151,846
2025	1,091,381	6.1	66,574	123,085	7.8	85,128	153,806	7.6	82,945	153,303
2026	1,121,394	6.1	68,405	124,134	7.8	87,469	155,117	7.6	85,226	154,609
2027	1,152,232	6.1	70,286	125,048	7.8	89,874	156,259	7.6	87,570	155,748
2028	1,183,918	6.1	72,219	125,812	7.8	92,346	157,214	7.6	89,978	156,700
2029	1,216,476	6.1	74,205	126,410	7.8	94,885	157,961	7.6	92,452	157,445
2030	1,249,929	6.1	76,246	126,824	7.8	97,494	158,479	7.6	94,995	157,961
2031	1,284,302	6.1	78,342	127,035	7.8	100,176	158,743	7.6	97,607	158,224
2032	1,319,620	6.1	80,497	127,023	7.8	102,930	158,728	7.6	100,291	158,209
2033	1,355,910	6.1	82,711	126,765	7.8	105,761	158,406	7.6	103,049	157,888

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	9.1%	\$96,658	\$ 174,873	9.6%	\$101,968	\$ 182,836	10.4%	\$110,466	\$ 197,805
2025	1,091,381	9.1	99,316	176,550	9.6	104,773	184,590	10.4	113,504	199,702
2026	1,121,394	9.1	102,047	178,054	9.6	107,654	186,163	10.4	116,625	201,404
2027	1,152,232	9.1	104,853	179,365	9.6	110,614	187,534	10.4	119,832	202,887
2028	1,183,918	9.1	107,737	180,461	9.6	113,656	188,680	10.4	123,127	204,127
2029	1,216,476	9.1	110,699	181,319	9.6	116,782	189,577	10.4	126,514	205,097
2030	1,249,929	9.1	113,744	181,913	9.6	119,993	190,198	10.4	129,993	205,769
2031	1,284,302	9.1	116,871	182,216	9.6	123,293	190,515	10.4	133,567	206,112
2032	1,319,620	9.1	120,085	182,198	9.6	126,684	190,497	10.4	137,240	206,092
2033	1,355,910	9.1	123,388	181,828	9.6	130,167	190,110	10.4	141,015	205,673

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	11.4%	\$121,087	\$ 213,270	11.8%	\$125,336	\$ 220,804	13.2%	\$140,207	\$ 243,773
2025	1,091,381	11.4	124,417	215,316	11.8	128,783	222,922	13.2	144,062	246,111
2026	1,121,394	11.4	127,839	217,151	11.8	132,324	224,822	13.2	148,024	248,208
2027	1,152,232	11.4	131,354	218,750	11.8	135,963	226,478	13.2	152,095	250,036
2028	1,183,918	11.4	134,967	220,087	11.8	139,702	227,862	13.2	156,277	251,564
2029	1,216,476	11.4	138,678	221,133	11.8	143,544	228,945	13.2	160,575	252,760
2030	1,249,929	11.4	142,492	221,858	11.8	147,492	229,695	13.2	164,991	253,588
2031	1,284,302	11.4	146,410	222,228	11.8	151,548	230,078	13.2	169,528	254,011
2032	1,319,620	11.4	150,437	222,207	11.8	155,715	230,056	13.2	174,190	253,987
2033	1,355,910	11.4	154,574	221,756	11.8	159,997	229,589	13.2	178,980	253,471

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Public Safety

## Employer Contribution Rates (4% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	4.2%	\$44,611	\$ 121,916	5.9%	\$62,668	\$ 152,345	5.7%	\$60,544	\$ 151,846
2025	1,091,381	4.2	45,838	123,085	5.9	64,391	153,806	5.7	62,209	153,303
2026	1,121,394	4.2	47,099	124,134	5.9	66,162	155,117	5.7	63,919	154,609
2027	1,152,232	4.2	48,394	125,048	5.9	67,982	156,259	5.7	65,677	155,748
2028	1,183,918	4.2	49,725	125,812	5.9	69,851	157,214	5.7	67,483	156,700
2029	1,216,476	4.2	51,092	126,410	5.9	71,772	157,961	5.7	69,339	157,445
2030	1,249,929	4.2	52,497	126,824	5.9	73,746	158,479	5.7	71,246	157,961
2031	1,284,302	4.2	53,941	127,035	5.9	75,774	158,743	5.7	73,205	158,224
2032	1,319,620	4.2	55,424	127,023	5.9	77,858	158,728	5.7	75,218	158,209
2033	1,355,910	4.2	56,948	126,765	5.9	79,999	158,406	5.7	77,287	157,888

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	7.2%	\$76,476	\$ 174,873	7.7%	\$81,787	\$ 182,836	8.5%	\$90,285	\$ 197,805
2025	1,091,381	7.2	78,579	176,550	7.7	84,036	184,590	8.5	92,767	199,702
2026	1,121,394	7.2	80,740	178,054	7.7	86,347	186,163	8.5	95,318	201,404
2027	1,152,232	7.2	82,961	179,365	7.7	88,722	187,534	8.5	97,940	202,887
2028	1,183,918	7.2	85,242	180,461	7.7	91,162	188,680	8.5	100,633	204,127
2029	1,216,476	7.2	87,586	181,319	7.7	93,669	189,577	8.5	103,400	205,097
2030	1,249,929	7.2	89,995	181,913	7.7	96,245	190,198	8.5	106,244	205,769
2031	1,284,302	7.2	92,470	182,216	7.7	98,891	190,515	8.5	109,166	206,112
2032	1,319,620	7.2	95,013	182,198	7.7	101,611	190,497	8.5	112,168	206,092
2033	1,355,910	7.2	97,626	181,828	7.7	104,405	190,110	8.5	115,252	205,673

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	9.5%	\$100,906	\$ 213,270	9.9%	\$105,155	\$ 220,804	11.3%	\$120,025	\$ 243,773
2025	1,091,381	9.5	103,681	215,316	9.9	108,047	222,922	11.3	123,326	246,111
2026	1,121,394	9.5	106,532	217,151	9.9	111,018	224,822	11.3	126,718	248,208
2027	1,152,232	9.5	109,462	218,750	9.9	114,071	226,478	11.3	130,202	250,036
2028	1,183,918	9.5	112,472	220,087	9.9	117,208	227,862	11.3	133,783	251,564
2029	1,216,476	9.5	115,565	221,133	9.9	120,431	228,945	11.3	137,462	252,760
2030	1,249,929	9.5	118,743	221,858	9.9	123,743	229,695	11.3	141,242	253,588
2031	1,284,302	9.5	122,009	222,228	9.9	127,146	230,078	11.3	145,126	254,011
2032	1,319,620	9.5	125,364	222,207	9.9	130,642	230,056	11.3	149,117	253,987
2033	1,355,910	9.5	128,811	221,756	9.9	134,235	229,589	11.3	153,218	253,471

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Public Safety

## Employer Contribution Rates (6% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	2.3%	\$24,430	\$ 121,916	4.0%	\$42,487	\$ 152,345	3.8%	\$40,362	\$ 151,846
2025	1,091,381	2.3	25,102	123,085	4.0	43,655	153,806	3.8	41,472	153,303
2026	1,121,394	2.3	25,792	124,134	4.0	44,856	155,117	3.8	42,613	154,609
2027	1,152,232	2.3	26,501	125,048	4.0	46,089	156,259	3.8	43,785	155,748
2028	1,183,918	2.3	27,230	125,812	4.0	47,357	157,214	3.8	44,989	156,700
2029	1,216,476	2.3	27,979	126,410	4.0	48,659	157,961	3.8	46,226	157,445
2030	1,249,929	2.3	28,748	126,824	4.0	49,997	158,479	3.8	47,497	157,961
2031	1,284,302	2.3	29,539	127,035	4.0	51,372	158,743	3.8	48,803	158,224
2032	1,319,620	2.3	30,351	127,023	4.0	52,785	158,728	3.8	50,146	158,209
2033	1,355,910	2.3	31,186	126,765	4.0	54,236	158,406	3.8	51,525	157,888

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	5.3%	\$56,295	\$ 174,873	5.8%	\$61,606	\$ 182,836	6.6%	\$70,103	\$ 197,805
2025	1,091,381	5.3	57,843	176,550	5.8	63,300	184,590	6.6	72,031	199,702
2026	1,121,394	5.3	59,434	178,054	5.8	65,041	186,163	6.6	74,012	201,404
2027	1,152,232	5.3	61,068	179,365	5.8	66,829	187,534	6.6	76,047	202,887
2028	1,183,918	5.3	62,748	180,461	5.8	68,667	188,680	6.6	78,139	204,127
2029	1,216,476	5.3	64,473	181,319	5.8	70,556	189,577	6.6	80,287	205,097
2030	1,249,929	5.3	66,246	181,913	5.8	72,496	190,198	6.6	82,495	205,769
2031	1,284,302	5.3	68,068	182,216	5.8	74,490	190,515	6.6	84,764	206,112
2032	1,319,620	5.3	69,940	182,198	5.8	76,538	190,497	6.6	87,095	206,092
2033	1,355,910	5.3	71,863	181,828	5.8	78,643	190,110	6.6	89,490	205,673

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	7.6%	\$80,725	\$ 213,270	8.0%	\$84,974	\$ 220,804	9.4%	\$99,844	\$ 243,773
2025	1,091,381	7.6	82,945	215,316	8.0	87,310	222,922	9.4	102,590	246,111
2026	1,121,394	7.6	85,226	217,151	8.0	89,712	224,822	9.4	105,411	248,208
2027	1,152,232	7.6	87,570	218,750	8.0	92,179	226,478	9.4	108,310	250,036
2028	1,183,918	7.6	89,978	220,087	8.0	94,713	227,862	9.4	111,288	251,564
2029	1,216,476	7.6	92,452	221,133	8.0	97,318	228,945	9.4	114,349	252,760
2030	1,249,929	7.6	94,995	221,858	8.0	99,994	229,695	9.4	117,493	253,588
2031	1,284,302	7.6	97,607	222,228	8.0	102,744	230,078	9.4	120,724	254,011
2032	1,319,620	7.6	100,291	222,207	8.0	105,570	230,056	9.4	124,044	253,987
2033	1,355,910	7.6	103,049	221,756	8.0	108,473	229,589	9.4	127,456	253,471

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.





# Warren County - Public Safety

## Employer Contribution Rates (0% Member Contribution Rate, 3 Year FAS)

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	8.2%	\$87,098	\$ 125,973	10.1%	\$107,279	\$ 157,423	9.8%	\$104,093	\$ 157,051
2025	1,091,381	8.2	89,493	127,181	10.1	110,229	158,933	9.8	106,955	158,558
2026	1,121,394	8.2	91,954	128,265	10.1	113,261	160,287	9.8	109,897	159,909
2027	1,152,232	8.2	94,483	129,210	10.1	116,375	161,467	9.8	112,919	161,087
2028	1,183,918	8.2	97,081	130,000	10.1	119,576	162,454	9.8	116,024	162,072
2029	1,216,476	8.2	99,751	130,618	10.1	122,864	163,226	9.8	119,215	162,843
2030	1,249,929	8.2	102,494	131,046	10.1	126,243	163,761	9.8	122,493	163,377
2031	1,284,302	8.2	105,313	131,264	10.1	129,715	164,034	9.8	125,862	163,649
2032	1,319,620	8.2	108,209	131,251	10.1	133,282	164,018	9.8	129,323	163,633
2033	1,355,910	8.2	111,185	130,984	10.1	136,947	163,685	9.8	132,879	163,301

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	11.3%	\$120,025	\$ 180,705	11.8%	\$125,336	\$ 188,912	12.6%	\$133,834	\$ 204,473
2025	1,091,381	11.3	123,326	182,438	11.8	128,783	190,724	12.6	137,514	206,434
2026	1,121,394	11.3	126,718	183,993	11.8	132,324	192,349	12.6	141,296	208,193
2027	1,152,232	11.3	130,202	185,348	11.8	135,963	193,766	12.6	145,181	209,726
2028	1,183,918	11.3	133,783	186,481	11.8	139,702	194,950	12.6	149,174	211,008
2029	1,216,476	11.3	137,462	187,368	11.8	143,544	195,877	12.6	153,276	212,011
2030	1,249,929	11.3	141,242	187,982	11.8	147,492	196,519	12.6	157,491	212,706
2031	1,284,302	11.3	145,126	188,295	11.8	151,548	196,846	12.6	161,822	213,060
2032	1,319,620	11.3	149,117	188,277	11.8	155,715	196,827	12.6	166,272	213,039
2033	1,355,910	11.3	153,218	187,895	11.8	159,997	196,427	12.6	170,845	212,606

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	13.7%	\$145,517	\$ 220,395	14.2%	\$150,828	\$ 228,155	15.6%	\$165,699	\$ 251,852
2025	1,091,381	13.7	149,519	222,509	14.2	154,976	230,344	15.6	170,255	254,268
2026	1,121,394	13.7	153,631	224,405	14.2	159,238	232,307	15.6	174,937	256,435
2027	1,152,232	13.7	157,856	226,058	14.2	163,617	234,018	15.6	179,748	258,323
2028	1,183,918	13.7	162,197	227,440	14.2	168,116	235,448	15.6	184,691	259,902
2029	1,216,476	13.7	166,657	228,521	14.2	172,740	236,567	15.6	189,770	261,138
2030	1,249,929	13.7	171,240	229,270	14.2	177,490	237,342	15.6	194,989	261,994
2031	1,284,302	13.7	175,949	229,652	14.2	182,371	237,737	15.6	200,351	262,431
2032	1,319,620	13.7	180,788	229,630	14.2	187,386	237,714	15.6	205,861	262,406
2033	1,355,910	13.7	185,760	229,164	14.2	192,539	237,231	15.6	211,522	261,873

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Public Safety

## Employer Contribution Rates (2% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued	Estimated Employer Contribution		Unfunded Actuarial Accrued	Estimated Employer Contribution		Unfunded Actuarial Accrued
		As a % of Payroll	Annual Dollars	Liability	As a % of Payroll	Annual Dollars	Liability	As a % of Payroll	Annual Dollars	Liability
2024	\$ 1,062,171	6.3%	\$66,917	\$ 125,973	8.2%	\$87,098	\$ 157,423	7.9%	\$83,912	\$ 157,051
2025	1,091,381	6.3	68,757	127,181	8.2	89,493	158,933	7.9	86,219	158,558
2026	1,121,394	6.3	70,648	128,265	8.2	91,954	160,287	7.9	88,590	159,909
2027	1,152,232	6.3	72,591	129,210	8.2	94,483	161,467	7.9	91,026	161,087
2028	1,183,918	6.3	74,587	130,000	8.2	97,081	162,454	7.9	93,530	162,072
2029	1,216,476	6.3	76,638	130,618	8.2	99,751	163,226	7.9	96,102	162,843
2030	1,249,929	6.3	78,746	131,046	8.2	102,494	163,761	7.9	98,744	163,377
2031	1,284,302	6.3	80,911	131,264	8.2	105,313	164,034	7.9	101,460	163,649
2032	1,319,620	6.3	83,136	131,251	8.2	108,209	164,018	7.9	104,250	163,633
2033	1,355,910	6.3	85,422	130,984	8.2	111,185	163,685	7.9	107,117	163,301

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued	Estimated Employer Contribution		Unfunded Actuarial Accrued	Estimated Employer Contribution		Unfunded Actuarial Accrued
		As a % of Payroll	Annual Dollars	Liability	As a % of Payroll	Annual Dollars	Liability	As a % of Payroll	Annual Dollars	Liability
2024	\$ 1,062,171	9.4%	\$99,844	\$ 180,705	9.9%	\$105,155	\$ 188,912	10.7%	\$113,652	\$ 204,473
2025	1,091,381	9.4	102,590	182,438	9.9	108,047	190,724	10.7	116,778	206,434
2026	1,121,394	9.4	105,411	183,993	9.9	111,018	192,349	10.7	119,989	208,193
2027	1,152,232	9.4	108,310	185,348	9.9	114,071	193,766	10.7	123,289	209,726
2028	1,183,918	9.4	111,288	186,481	9.9	117,208	194,950	10.7	126,679	211,008
2029	1,216,476	9.4	114,349	187,368	9.9	120,431	195,877	10.7	130,163	212,011
2030	1,249,929	9.4	117,493	187,982	9.9	123,743	196,519	10.7	133,742	212,706
2031	1,284,302	9.4	120,724	188,295	9.9	127,146	196,846	10.7	137,420	213,060
2032	1,319,620	9.4	124,044	188,277	9.9	130,642	196,827	10.7	141,199	213,039
2033	1,355,910	9.4	127,456	187,895	9.9	134,235	196,427	10.7	145,082	212,606

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued	Estimated Employer Contribution		Unfunded Actuarial Accrued	Estimated Employer Contribution		Unfunded Actuarial Accrued
		As a % of Payroll	Annual Dollars	Liability	As a % of Payroll	Annual Dollars	Liability	As a % of Payroll	Annual Dollars	Liability
2024	\$ 1,062,171	11.8%	\$125,336	\$ 220,395	12.3%	\$130,647	\$ 228,155	13.7%	\$145,517	\$ 251,852
2025	1,091,381	11.8	128,783	222,509	12.3	134,240	230,344	13.7	149,519	254,268
2026	1,121,394	11.8	132,324	224,405	12.3	137,931	232,307	13.7	153,631	256,435
2027	1,152,232	11.8	135,963	226,058	12.3	141,725	234,018	13.7	157,856	258,323
2028	1,183,918	11.8	139,702	227,440	12.3	145,622	235,448	13.7	162,197	259,902
2029	1,216,476	11.8	143,544	228,521	12.3	149,627	236,567	13.7	166,657	261,138
2030	1,249,929	11.8	147,492	229,270	12.3	153,741	237,342	13.7	171,240	261,994
2031	1,284,302	11.8	151,548	229,652	12.3	157,969	237,737	13.7	175,949	262,431
2032	1,319,620	11.8	155,715	229,630	12.3	162,313	237,714	13.7	180,788	262,406
2033	1,355,910	11.8	159,997	229,164	12.3	166,777	237,231	13.7	185,760	261,873

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Public Safety

## Employer Contribution Rates (4% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	4.4%	\$46,736	\$ 125,973	6.3%	\$66,917	\$ 157,423	6.0%	\$63,730	\$ 157,051
2025	1,091,381	4.4	48,021	127,181	6.3	68,757	158,933	6.0	65,483	158,558
2026	1,121,394	4.4	49,341	128,265	6.3	70,648	160,287	6.0	67,284	159,909
2027	1,152,232	4.4	50,698	129,210	6.3	72,591	161,467	6.0	69,134	161,087
2028	1,183,918	4.4	52,092	130,000	6.3	74,587	162,454	6.0	71,035	162,072
2029	1,216,476	4.4	53,525	130,618	6.3	76,638	163,226	6.0	72,989	162,843
2030	1,249,929	4.4	54,997	131,046	6.3	78,746	163,761	6.0	74,996	163,377
2031	1,284,302	4.4	56,509	131,264	6.3	80,911	164,034	6.0	77,058	163,649
2032	1,319,620	4.4	58,063	131,251	6.3	83,136	164,018	6.0	79,177	163,633
2033	1,355,910	4.4	59,660	130,984	6.3	85,422	163,685	6.0	81,355	163,301

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	7.5%	\$79,663	\$ 180,705	8.0%	\$84,974	\$ 188,912	8.8%	\$93,471	\$ 204,473
2025	1,091,381	7.5	81,854	182,438	8.0	87,310	190,724	8.8	96,042	206,434
2026	1,121,394	7.5	84,105	183,993	8.0	89,712	192,349	8.8	98,683	208,193
2027	1,152,232	7.5	86,417	185,348	8.0	92,179	193,766	8.8	101,396	209,726
2028	1,183,918	7.5	88,794	186,481	8.0	94,713	194,950	8.8	104,185	211,008
2029	1,216,476	7.5	91,236	187,368	8.0	97,318	195,877	8.8	107,050	212,011
2030	1,249,929	7.5	93,745	187,982	8.0	99,994	196,519	8.8	109,994	212,706
2031	1,284,302	7.5	96,323	188,295	8.0	102,744	196,846	8.8	113,019	213,060
2032	1,319,620	7.5	98,972	188,277	8.0	105,570	196,827	8.8	116,127	213,039
2033	1,355,910	7.5	101,693	187,895	8.0	108,473	196,427	8.8	119,320	212,606

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	9.9%	\$105,155	\$ 220,395	10.4%	\$110,466	\$ 228,155	11.8%	\$125,336	\$ 251,852
2025	1,091,381	9.9	108,047	222,509	10.4	113,504	230,344	11.8	128,783	254,268
2026	1,121,394	9.9	111,018	224,405	10.4	116,625	232,307	11.8	132,324	256,435
2027	1,152,232	9.9	114,071	226,058	10.4	119,832	234,018	11.8	135,963	258,323
2028	1,183,918	9.9	117,208	227,440	10.4	123,127	235,448	11.8	139,702	259,902
2029	1,216,476	9.9	120,431	228,521	10.4	126,514	236,567	11.8	143,544	261,138
2030	1,249,929	9.9	123,743	229,270	10.4	129,993	237,342	11.8	147,492	261,994
2031	1,284,302	9.9	127,146	229,652	10.4	133,567	237,737	11.8	151,548	262,431
2032	1,319,620	9.9	130,642	229,630	10.4	137,240	237,714	11.8	155,715	262,406
2033	1,355,910	9.9	134,235	229,164	10.4	141,015	237,231	11.8	159,997	261,873

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Public Safety

## Employer Contribution Rates (6% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

### Regular Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	2.5%	\$26,554	\$ 125,973	4.4%	\$46,736	\$ 157,423	4.1%	\$43,549	\$ 157,051
2025	1,091,381	2.5	27,285	127,181	4.4	48,021	158,933	4.1	44,747	158,558
2026	1,121,394	2.5	28,035	128,265	4.4	49,341	160,287	4.1	45,977	159,909
2027	1,152,232	2.5	28,806	129,210	4.4	50,698	161,467	4.1	47,242	161,087
2028	1,183,918	2.5	29,598	130,000	4.4	52,092	162,454	4.1	48,541	162,072
2029	1,216,476	2.5	30,412	130,618	4.4	53,525	163,226	4.1	49,876	162,843
2030	1,249,929	2.5	31,248	131,046	4.4	54,997	163,761	4.1	51,247	163,377
2031	1,284,302	2.5	32,108	131,264	4.4	56,509	164,034	4.1	52,656	163,649
2032	1,319,620	2.5	32,991	131,251	4.4	58,063	164,018	4.1	54,104	163,633
2033	1,355,910	2.5	33,898	130,984	4.4	59,660	163,685	4.1	55,592	163,301

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	5.6%	\$59,482	\$ 180,705	6.1%	\$64,792	\$ 188,912	6.9%	\$73,290	\$ 204,473
2025	1,091,381	5.6	61,117	182,438	6.1	66,574	190,724	6.9	75,305	206,434
2026	1,121,394	5.6	62,798	183,993	6.1	68,405	192,349	6.9	77,376	208,193
2027	1,152,232	5.6	64,525	185,348	6.1	70,286	193,766	6.9	79,504	209,726
2028	1,183,918	5.6	66,299	186,481	6.1	72,219	194,950	6.9	81,690	211,008
2029	1,216,476	5.6	68,123	187,368	6.1	74,205	195,877	6.9	83,937	212,011
2030	1,249,929	5.6	69,996	187,982	6.1	76,246	196,519	6.9	86,245	212,706
2031	1,284,302	5.6	71,921	188,295	6.1	78,342	196,846	6.9	88,617	213,060
2032	1,319,620	5.6	73,899	188,277	6.1	80,497	196,827	6.9	91,054	213,039
2033	1,355,910	5.6	75,931	187,895	6.1	82,711	196,427	6.9	93,558	212,606

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	8.0%	\$84,974	\$ 220,395	8.5%	\$90,285	\$ 228,155	9.9%	\$105,155	\$ 251,852
2025	1,091,381	8.0	87,310	222,509	8.5	92,767	230,344	9.9	108,047	254,268
2026	1,121,394	8.0	89,712	224,405	8.5	95,318	232,307	9.9	111,018	256,435
2027	1,152,232	8.0	92,179	226,058	8.5	97,940	234,018	9.9	114,071	258,323
2028	1,183,918	8.0	94,713	227,440	8.5	100,633	235,448	9.9	117,208	259,902
2029	1,216,476	8.0	97,318	228,521	8.5	103,400	236,567	9.9	120,431	261,138
2030	1,249,929	8.0	99,994	229,270	8.5	106,244	237,342	9.9	123,743	261,994
2031	1,284,302	8.0	102,744	229,652	8.5	109,166	237,737	9.9	127,146	262,431
2032	1,319,620	8.0	105,570	229,630	8.5	112,168	237,714	9.9	130,642	262,406
2033	1,355,910	8.0	108,473	229,164	8.5	115,252	237,231	9.9	134,235	261,873

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Public Safety

## Employer Contribution Rates (0% Member Contribution Rate, 5 Year FAS)

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	8.2%	\$87,098	\$ 125,965	10.1%	\$107,279	\$ 157,447	10.1%	\$107,279	\$ 165,159
2025	1,091,381	8.2	89,493	127,173	10.1	110,229	158,957	10.1	110,229	166,743
2026	1,121,394	8.2	91,954	128,257	10.1	113,261	160,311	10.1	113,261	168,164
2027	1,152,232	8.2	94,483	129,202	10.1	116,375	161,492	10.1	116,375	169,402
2028	1,183,918	8.2	97,081	129,992	10.1	119,576	162,479	10.1	119,576	170,437
2029	1,216,476	8.2	99,751	130,610	10.1	122,864	163,251	10.1	122,864	171,247
2030	1,249,929	8.2	102,494	131,038	10.1	126,243	163,786	10.1	126,243	171,808
2031	1,284,302	8.2	105,313	131,256	10.1	129,715	164,059	10.1	129,715	172,094
2032	1,319,620	8.2	108,209	131,243	10.1	133,282	164,043	10.1	133,282	172,077
2033	1,355,910	8.2	111,185	130,976	10.1	136,947	163,710	10.1	136,947	171,728

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	11.4%	\$121,087	\$ 186,857	11.8%	\$125,336	\$ 188,914	12.7%	\$134,896	\$ 208,476
2025	1,091,381	11.4	124,417	188,649	11.8	128,783	190,726	12.7	138,605	210,476
2026	1,121,394	11.4	127,839	190,257	11.8	132,324	192,351	12.7	142,417	212,270
2027	1,152,232	11.4	131,354	191,658	11.8	135,963	193,768	12.7	146,333	213,833
2028	1,183,918	11.4	134,967	192,829	11.8	139,702	194,952	12.7	150,358	215,140
2029	1,216,476	11.4	138,678	193,746	11.8	143,544	195,879	12.7	154,492	216,163
2030	1,249,929	11.4	142,492	194,381	11.8	147,492	196,521	12.7	158,741	216,871
2031	1,284,302	11.4	146,410	194,705	11.8	151,548	196,848	12.7	163,106	217,232
2032	1,319,620	11.4	150,437	194,686	11.8	155,715	196,829	12.7	167,592	217,211
2033	1,355,910	11.4	154,574	194,291	11.8	159,997	196,429	12.7	172,201	216,770

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	13.7%	\$145,517	\$ 220,370	14.2%	\$150,828	\$ 230,185	15.6%	\$165,699	\$ 251,902
2025	1,091,381	13.7	149,519	222,484	14.2	154,976	232,393	15.6	170,255	254,318
2026	1,121,394	13.7	153,631	224,380	14.2	159,238	234,373	15.6	174,937	256,485
2027	1,152,232	13.7	157,856	226,032	14.2	163,617	236,099	15.6	179,748	258,374
2028	1,183,918	13.7	162,197	227,414	14.2	168,116	237,542	15.6	184,691	259,953
2029	1,216,476	13.7	166,657	228,495	14.2	172,740	238,671	15.6	189,770	261,189
2030	1,249,929	13.7	171,240	229,244	14.2	177,490	239,453	15.6	194,989	262,045
2031	1,284,302	13.7	175,949	229,626	14.2	182,371	239,852	15.6	200,351	262,482
2032	1,319,620	13.7	180,788	229,604	14.2	187,386	239,829	15.6	205,861	262,457
2033	1,355,910	13.7	185,760	229,138	14.2	192,539	239,342	15.6	211,522	261,924

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Public Safety

## Employer Contribution Rates (2% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	6.3%	\$66,917	\$ 125,965	8.2%	\$87,098	\$ 157,447	8.2%	\$87,098	\$ 165,159
2025	1,091,381	6.3	68,757	127,173	8.2	89,493	158,957	8.2	89,493	166,743
2026	1,121,394	6.3	70,648	128,257	8.2	91,954	160,311	8.2	91,954	168,164
2027	1,152,232	6.3	72,591	129,202	8.2	94,483	161,492	8.2	94,483	169,402
2028	1,183,918	6.3	74,587	129,992	8.2	97,081	162,479	8.2	97,081	170,437
2029	1,216,476	6.3	76,638	130,610	8.2	99,751	163,251	8.2	99,751	171,247
2030	1,249,929	6.3	78,746	131,038	8.2	102,494	163,786	8.2	102,494	171,808
2031	1,284,302	6.3	80,911	131,256	8.2	105,313	164,059	8.2	105,313	172,094
2032	1,319,620	6.3	83,136	131,243	8.2	108,209	164,043	8.2	108,209	172,077
2033	1,355,910	6.3	85,422	130,976	8.2	111,185	163,710	8.2	111,185	171,728

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	9.5%	\$100,906	\$ 186,857	9.9%	\$105,155	\$ 188,914	10.8%	\$114,714	\$ 208,476
2025	1,091,381	9.5	103,681	188,649	9.9	108,047	190,726	10.8	117,869	210,476
2026	1,121,394	9.5	106,532	190,257	9.9	111,018	192,351	10.8	121,111	212,270
2027	1,152,232	9.5	109,462	191,658	9.9	114,071	193,768	10.8	124,441	213,833
2028	1,183,918	9.5	112,472	192,829	9.9	117,208	194,952	10.8	127,863	215,140
2029	1,216,476	9.5	115,565	193,746	9.9	120,431	195,879	10.8	131,379	216,163
2030	1,249,929	9.5	118,743	194,381	9.9	123,743	196,521	10.8	134,992	216,871
2031	1,284,302	9.5	122,009	194,705	9.9	127,146	196,848	10.8	138,705	217,232
2032	1,319,620	9.5	125,364	194,686	9.9	130,642	196,829	10.8	142,519	217,211
2033	1,355,910	9.5	128,811	194,291	9.9	134,235	196,429	10.8	146,438	216,770

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	11.8%	\$125,336	\$ 220,370	12.3%	\$130,647	\$ 230,185	13.7%	\$145,517	\$ 251,902
2025	1,091,381	11.8	128,783	222,484	12.3	134,240	232,393	13.7	149,519	254,318
2026	1,121,394	11.8	132,324	224,380	12.3	137,931	234,373	13.7	153,631	256,485
2027	1,152,232	11.8	135,963	226,032	12.3	141,725	236,099	13.7	157,856	258,374
2028	1,183,918	11.8	139,702	227,414	12.3	145,622	237,542	13.7	162,197	259,953
2029	1,216,476	11.8	143,544	228,495	12.3	149,627	238,671	13.7	166,657	261,189
2030	1,249,929	11.8	147,492	229,244	12.3	153,741	239,453	13.7	171,240	262,045
2031	1,284,302	11.8	151,548	229,626	12.3	157,969	239,852	13.7	175,949	262,482
2032	1,319,620	11.8	155,715	229,604	12.3	162,313	239,829	13.7	180,788	262,457
2033	1,355,910	11.8	159,997	229,138	12.3	166,777	239,342	13.7	185,760	261,924

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Public Safety

## Employer Contribution Rates (4% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	4.4%	\$46,736	\$ 125,965	6.3%	\$66,917	\$ 157,447	6.3%	\$66,917	\$ 165,159
2025	1,091,381	4.4	48,021	127,173	6.3	68,757	158,957	6.3	68,757	166,743
2026	1,121,394	4.4	49,341	128,257	6.3	70,648	160,311	6.3	70,648	168,164
2027	1,152,232	4.4	50,698	129,202	6.3	72,591	161,492	6.3	72,591	169,402
2028	1,183,918	4.4	52,092	129,992	6.3	74,587	162,479	6.3	74,587	170,437
2029	1,216,476	4.4	53,525	130,610	6.3	76,638	163,251	6.3	76,638	171,247
2030	1,249,929	4.4	54,997	131,038	6.3	78,746	163,786	6.3	78,746	171,808
2031	1,284,302	4.4	56,509	131,256	6.3	80,911	164,059	6.3	80,911	172,094
2032	1,319,620	4.4	58,063	131,243	6.3	83,136	164,043	6.3	83,136	172,077
2033	1,355,910	4.4	59,660	130,976	6.3	85,422	163,710	6.3	85,422	171,728

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	7.6%	\$80,725	\$ 186,857	8.0%	\$84,974	\$ 188,914	8.9%	\$94,533	\$ 208,476
2025	1,091,381	7.6	82,945	188,649	8.0	87,310	190,726	8.9	97,133	210,476
2026	1,121,394	7.6	85,226	190,257	8.0	89,712	192,351	8.9	99,804	212,270
2027	1,152,232	7.6	87,570	191,658	8.0	92,179	193,768	8.9	102,549	213,833
2028	1,183,918	7.6	89,978	192,829	8.0	94,713	194,952	8.9	105,369	215,140
2029	1,216,476	7.6	92,452	193,746	8.0	97,318	195,879	8.9	108,266	216,163
2030	1,249,929	7.6	94,995	194,381	8.0	99,994	196,521	8.9	111,244	216,871
2031	1,284,302	7.6	97,607	194,705	8.0	102,744	196,848	8.9	114,303	217,232
2032	1,319,620	7.6	100,291	194,686	8.0	105,570	196,829	8.9	117,446	217,211
2033	1,355,910	7.6	103,049	194,291	8.0	108,473	196,429	8.9	120,676	216,770

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	9.9%	\$105,155	\$ 220,370	10.4%	\$110,466	\$ 230,185	11.8%	\$125,336	\$ 251,902
2025	1,091,381	9.9	108,047	222,484	10.4	113,504	232,393	11.8	128,783	254,318
2026	1,121,394	9.9	111,018	224,380	10.4	116,625	234,373	11.8	132,324	256,485
2027	1,152,232	9.9	114,071	226,032	10.4	119,832	236,099	11.8	135,963	258,374
2028	1,183,918	9.9	117,208	227,414	10.4	123,127	237,542	11.8	139,702	259,953
2029	1,216,476	9.9	120,431	228,495	10.4	126,514	238,671	11.8	143,544	261,189
2030	1,249,929	9.9	123,743	229,244	10.4	129,993	239,453	11.8	147,492	262,045
2031	1,284,302	9.9	127,146	229,626	10.4	133,567	239,852	11.8	151,548	262,482
2032	1,319,620	9.9	130,642	229,604	10.4	137,240	239,829	11.8	155,715	262,457
2033	1,355,910	9.9	134,235	229,138	10.4	141,015	239,342	11.8	159,997	261,924

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Public Safety

## Employer Contribution Rates (6% Member Contribution Rate, 5 Year FAS) (Member contributions are additional)

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	2.5%	\$26,554	\$ 125,965	4.4%	\$46,736	\$ 157,447	4.4%	\$46,736	\$ 165,159
2025	1,091,381	2.5	27,285	127,173	4.4	48,021	158,957	4.4	48,021	166,743
2026	1,121,394	2.5	28,035	128,257	4.4	49,341	160,311	4.4	49,341	168,164
2027	1,152,232	2.5	28,806	129,202	4.4	50,698	161,492	4.4	50,698	169,402
2028	1,183,918	2.5	29,598	129,992	4.4	52,092	162,479	4.4	52,092	170,437
2029	1,216,476	2.5	30,412	130,610	4.4	53,525	163,251	4.4	53,525	171,247
2030	1,249,929	2.5	31,248	131,038	4.4	54,997	163,786	4.4	54,997	171,808
2031	1,284,302	2.5	32,108	131,256	4.4	56,509	164,059	4.4	56,509	172,094
2032	1,319,620	2.5	32,991	131,243	4.4	58,063	164,043	4.4	58,063	172,077
2033	1,355,910	2.5	33,898	130,976	4.4	59,660	163,710	4.4	59,660	171,728

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	5.7%	\$60,544	\$ 186,857	6.1%	\$64,792	\$ 188,914	7.0%	\$74,352	\$ 208,476
2025	1,091,381	5.7	62,209	188,649	6.1	66,574	190,726	7.0	76,397	210,476
2026	1,121,394	5.7	63,919	190,257	6.1	68,405	192,351	7.0	78,498	212,270
2027	1,152,232	5.7	65,677	191,658	6.1	70,286	193,768	7.0	80,656	213,833
2028	1,183,918	5.7	67,483	192,829	6.1	72,219	194,952	7.0	82,874	215,140
2029	1,216,476	5.7	69,339	193,746	6.1	74,205	195,879	7.0	85,153	216,163
2030	1,249,929	5.7	71,246	194,381	6.1	76,246	196,521	7.0	87,495	216,871
2031	1,284,302	5.7	73,205	194,705	6.1	78,342	196,848	7.0	89,901	217,232
2032	1,319,620	5.7	75,218	194,686	6.1	80,497	196,829	7.0	92,373	217,211
2033	1,355,910	5.7	77,287	194,291	6.1	82,711	196,429	7.0	94,914	216,770

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	8.0%	\$84,974	\$ 220,370	8.5%	\$90,285	\$ 230,185	9.9%	\$105,155	\$ 251,902
2025	1,091,381	8.0	87,310	222,484	8.5	92,767	232,393	9.9	108,047	254,318
2026	1,121,394	8.0	89,712	224,380	8.5	95,318	234,373	9.9	111,018	256,485
2027	1,152,232	8.0	92,179	226,032	8.5	97,940	236,099	9.9	114,071	258,374
2028	1,183,918	8.0	94,713	227,414	8.5	100,633	237,542	9.9	117,208	259,953
2029	1,216,476	8.0	97,318	228,495	8.5	103,400	238,671	9.9	120,431	261,189
2030	1,249,929	8.0	99,994	229,244	8.5	106,244	239,453	9.9	123,743	262,045
2031	1,284,302	8.0	102,744	229,626	8.5	109,166	239,852	9.9	127,146	262,482
2032	1,319,620	8.0	105,570	229,604	8.5	112,168	239,829	9.9	130,642	262,457
2033	1,355,910	8.0	108,473	229,138	8.5	115,252	239,342	9.9	134,235	261,924

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.





# Warren County - Public Safety

## Employer Contribution Rates (0% Member Contribution Rate, 3 Year FAS)

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	8.4%	\$89,222	\$ 130,220	10.4%	\$110,466	\$ 162,831	10.4%	\$110,466	\$ 170,880
2025	1,091,381	8.4	91,676	131,469	10.4	113,504	164,393	10.4	113,504	172,519
2026	1,121,394	8.4	94,197	132,589	10.4	116,625	165,794	10.4	116,625	173,989
2027	1,152,232	8.4	96,787	133,565	10.4	119,832	167,015	10.4	119,832	175,270
2028	1,183,918	8.4	99,449	134,381	10.4	123,127	168,036	10.4	123,127	176,341
2029	1,216,476	8.4	102,184	135,020	10.4	126,514	168,835	10.4	126,514	177,179
2030	1,249,929	8.4	104,994	135,462	10.4	129,993	169,388	10.4	129,993	177,760
2031	1,284,302	8.4	107,881	135,688	10.4	133,567	169,670	10.4	133,567	178,056
2032	1,319,620	8.4	110,848	135,675	10.4	137,240	169,654	10.4	137,240	178,039
2033	1,355,910	8.4	113,896	135,399	10.4	141,015	169,309	10.4	141,015	177,677

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	11.9%	\$126,398	\$ 193,312	12.3%	\$130,647	\$ 195,396	13.2%	\$140,207	\$ 215,694
2025	1,091,381	11.9	129,874	195,166	12.3	134,240	197,270	13.2	144,062	217,763
2026	1,121,394	11.9	133,446	196,829	12.3	137,931	198,951	13.2	148,024	219,619
2027	1,152,232	11.9	137,116	198,278	12.3	141,725	200,416	13.2	152,095	221,236
2028	1,183,918	11.9	140,886	199,490	12.3	145,622	201,641	13.2	156,277	222,588
2029	1,216,476	11.9	144,761	200,438	12.3	149,627	202,600	13.2	160,575	223,646
2030	1,249,929	11.9	148,742	201,095	12.3	153,741	203,264	13.2	164,991	224,379
2031	1,284,302	11.9	152,832	201,430	12.3	157,969	203,603	13.2	169,528	224,753
2032	1,319,620	11.9	157,035	201,411	12.3	162,313	203,583	13.2	174,190	224,731
2033	1,355,910	11.9	161,353	201,002	12.3	166,777	203,170	13.2	178,980	224,275

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	14.2%	\$150,828	\$ 227,962	14.6%	\$155,077	\$ 238,063	16.1%	\$171,010	\$ 260,483
2025	1,091,381	14.2	154,976	230,149	14.6	159,342	240,347	16.1	175,712	262,982
2026	1,121,394	14.2	159,238	232,110	14.6	163,724	242,395	16.1	180,544	265,223
2027	1,152,232	14.2	163,617	233,819	14.6	168,226	244,180	16.1	185,509	267,176
2028	1,183,918	14.2	168,116	235,248	14.6	172,852	245,672	16.1	190,611	268,809
2029	1,216,476	14.2	172,740	236,366	14.6	177,605	246,840	16.1	195,853	270,087
2030	1,249,929	14.2	177,490	237,141	14.6	182,490	247,649	16.1	201,239	270,972
2031	1,284,302	14.2	182,371	237,536	14.6	187,508	248,062	16.1	206,773	271,423
2032	1,319,620	14.2	187,386	237,513	14.6	192,665	248,038	16.1	212,459	271,397
2033	1,355,910	14.2	192,539	237,031	14.6	197,963	247,534	16.1	218,302	270,846

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Public Safety

## Employer Contribution Rates (2% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	6.5%	\$69,041	\$ 130,220	8.5%	\$90,285	\$ 162,831	8.5%	\$90,285	\$ 170,880
2025	1,091,381	6.5	70,940	131,469	8.5	92,767	164,393	8.5	92,767	172,519
2026	1,121,394	6.5	72,891	132,589	8.5	95,318	165,794	8.5	95,318	173,989
2027	1,152,232	6.5	74,895	133,565	8.5	97,940	167,015	8.5	97,940	175,270
2028	1,183,918	6.5	76,955	134,381	8.5	100,633	168,036	8.5	100,633	176,341
2029	1,216,476	6.5	79,071	135,020	8.5	103,400	168,835	8.5	103,400	177,179
2030	1,249,929	6.5	81,245	135,462	8.5	106,244	169,388	8.5	106,244	177,760
2031	1,284,302	6.5	83,480	135,688	8.5	109,166	169,670	8.5	109,166	178,056
2032	1,319,620	6.5	85,775	135,675	8.5	112,168	169,654	8.5	112,168	178,039
2033	1,355,910	6.5	88,134	135,399	8.5	115,252	169,309	8.5	115,252	177,677

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	10.0%	\$106,217	\$ 193,312	10.4%	\$110,466	\$ 195,396	11.3%	\$120,025	\$ 215,694
2025	1,091,381	10.0	109,138	195,166	10.4	113,504	197,270	11.3	123,326	217,763
2026	1,121,394	10.0	112,139	196,829	10.4	116,625	198,951	11.3	126,718	219,619
2027	1,152,232	10.0	115,223	198,278	10.4	119,832	200,416	11.3	130,202	221,236
2028	1,183,918	10.0	118,392	199,490	10.4	123,127	201,641	11.3	133,783	222,588
2029	1,216,476	10.0	121,648	200,438	10.4	126,514	202,600	11.3	137,462	223,646
2030	1,249,929	10.0	124,993	201,095	10.4	129,993	203,264	11.3	141,242	224,379
2031	1,284,302	10.0	128,430	201,430	10.4	133,567	203,603	11.3	145,126	224,753
2032	1,319,620	10.0	131,962	201,411	10.4	137,240	203,583	11.3	149,117	224,731
2033	1,355,910	10.0	135,591	201,002	10.4	141,015	203,170	11.3	153,218	224,275

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability	Estimated Employer Contribution		Unfunded Actuarial Accrued Liability
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2024	\$ 1,062,171	12.3%	\$130,647	\$ 227,962	12.7%	\$134,896	\$ 238,063	14.2%	\$150,828	\$ 260,483
2025	1,091,381	12.3	134,240	230,149	12.7	138,605	240,347	14.2	154,976	262,982
2026	1,121,394	12.3	137,931	232,110	12.7	142,417	242,395	14.2	159,238	265,223
2027	1,152,232	12.3	141,725	233,819	12.7	146,333	244,180	14.2	163,617	267,176
2028	1,183,918	12.3	145,622	235,248	12.7	150,358	245,672	14.2	168,116	268,809
2029	1,216,476	12.3	149,627	236,366	12.7	154,492	246,840	14.2	172,740	270,087
2030	1,249,929	12.3	153,741	237,141	12.7	158,741	247,649	14.2	177,490	270,972
2031	1,284,302	12.3	157,969	237,536	12.7	163,106	248,062	14.2	182,371	271,423
2032	1,319,620	12.3	162,313	237,513	12.7	167,592	248,038	14.2	187,386	271,397
2033	1,355,910	12.3	166,777	237,031	12.7	172,201	247,534	14.2	192,539	270,846

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Public Safety

## Employer Contribution Rates (4% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2024	\$ 1,062,171	4.6%	\$48,860	\$ 130,220	6.6%	\$70,103	\$ 162,831	6.6%	\$70,103	\$ 170,880
2025	1,091,381	4.6	50,204	131,469	6.6	72,031	164,393	6.6	72,031	172,519
2026	1,121,394	4.6	51,584	132,589	6.6	74,012	165,794	6.6	74,012	173,989
2027	1,152,232	4.6	53,003	133,565	6.6	76,047	167,015	6.6	76,047	175,270
2028	1,183,918	4.6	54,460	134,381	6.6	78,139	168,036	6.6	78,139	176,341
2029	1,216,476	4.6	55,958	135,020	6.6	80,287	168,835	6.6	80,287	177,179
2030	1,249,929	4.6	57,497	135,462	6.6	82,495	169,388	6.6	82,495	177,760
2031	1,284,302	4.6	59,078	135,688	6.6	84,764	169,670	6.6	84,764	178,056
2032	1,319,620	4.6	60,703	135,675	6.6	87,095	169,654	6.6	87,095	178,039
2033	1,355,910	4.6	62,372	135,399	6.6	89,490	169,309	6.6	89,490	177,677

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2024	\$ 1,062,171	8.1%	\$86,036	\$ 193,312	8.5%	\$90,285	\$ 195,396	9.4%	\$99,844	\$ 215,694
2025	1,091,381	8.1	88,402	195,166	8.5	92,767	197,270	9.4	102,590	217,763
2026	1,121,394	8.1	90,833	196,829	8.5	95,318	198,951	9.4	105,411	219,619
2027	1,152,232	8.1	93,331	198,278	8.5	97,940	200,416	9.4	108,310	221,236
2028	1,183,918	8.1	95,897	199,490	8.5	100,633	201,641	9.4	111,288	222,588
2029	1,216,476	8.1	98,535	200,438	8.5	103,400	202,600	9.4	114,349	223,646
2030	1,249,929	8.1	101,244	201,095	8.5	106,244	203,264	9.4	117,493	224,379
2031	1,284,302	8.1	104,028	201,430	8.5	109,166	203,603	9.4	120,724	224,753
2032	1,319,620	8.1	106,889	201,411	8.5	112,168	203,583	9.4	124,044	224,731
2033	1,355,910	8.1	109,829	201,002	8.5	115,252	203,170	9.4	127,456	224,275

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2024	\$ 1,062,171	10.4%	\$110,466	\$ 227,962	10.8%	\$114,714	\$ 238,063	12.3%	\$130,647	\$ 260,483
2025	1,091,381	10.4	113,504	230,149	10.8	117,869	240,347	12.3	134,240	262,982
2026	1,121,394	10.4	116,625	232,110	10.8	121,111	242,395	12.3	137,931	265,223
2027	1,152,232	10.4	119,832	233,819	10.8	124,441	244,180	12.3	141,725	267,176
2028	1,183,918	10.4	123,127	235,248	10.8	127,863	245,672	12.3	145,622	268,809
2029	1,216,476	10.4	126,514	236,366	10.8	131,379	246,840	12.3	149,627	270,087
2030	1,249,929	10.4	129,993	237,141	10.8	134,992	247,649	12.3	153,741	270,972
2031	1,284,302	10.4	133,567	237,536	10.8	138,705	248,062	12.3	157,969	271,423
2032	1,319,620	10.4	137,240	237,513	10.8	142,519	248,038	12.3	162,313	271,397
2033	1,355,910	10.4	141,015	237,031	10.8	146,438	247,534	12.3	166,777	270,846

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.



# Warren County - Public Safety

## Employer Contribution Rates (6% Member Contribution Rate, 3 Year FAS) (Member contributions are additional)

### Rule of 80 Retirement Eligibility

Valuation Year	Estimated Projected Payroll	L-1 Benefit Program			L-3 Benefit Program			LT-4(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a %	Annual	Accrued	As a %	Annual	Accrued	As a %	Annual	Accrued
		of Payroll	Dollars	Liability	of Payroll	Dollars	Liability	of Payroll	Dollars	Liability
2024	\$ 1,062,171	2.7%	\$28,679	\$ 130,220	4.7%	\$49,922	\$ 162,831	4.7%	\$49,922	\$ 170,880
2025	1,091,381	2.7	29,467	131,469	4.7	51,295	164,393	4.7	51,295	172,519
2026	1,121,394	2.7	30,278	132,589	4.7	52,706	165,794	4.7	52,706	173,989
2027	1,152,232	2.7	31,110	133,565	4.7	54,155	167,015	4.7	54,155	175,270
2028	1,183,918	2.7	31,966	134,381	4.7	55,644	168,036	4.7	55,644	176,341
2029	1,216,476	2.7	32,845	135,020	4.7	57,174	168,835	4.7	57,174	177,179
2030	1,249,929	2.7	33,748	135,462	4.7	58,747	169,388	4.7	58,747	177,760
2031	1,284,302	2.7	34,676	135,688	4.7	60,362	169,670	4.7	60,362	178,056
2032	1,319,620	2.7	35,630	135,675	4.7	62,022	169,654	4.7	62,022	178,039
2033	1,355,910	2.7	36,610	135,399	4.7	63,728	169,309	4.7	63,728	177,677

Valuation Year	Estimated Projected Payroll	LT-5(65) Benefit Program			L-7 Benefit Program			LT-8(65) Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2024	\$ 1,062,171	6.2%	\$65,855	\$ 193,312	6.6%	\$70,103	\$ 195,396	7.5%	\$79,663	\$ 215,694
2025	1,091,381	6.2	67,666	195,166	6.6	72,031	197,270	7.5	81,854	217,763
2026	1,121,394	6.2	69,526	196,829	6.6	74,012	198,951	7.5	84,105	219,619
2027	1,152,232	6.2	71,438	198,278	6.6	76,047	200,416	7.5	86,417	221,236
2028	1,183,918	6.2	73,403	199,490	6.6	78,139	201,641	7.5	88,794	222,588
2029	1,216,476	6.2	75,422	200,438	6.6	80,287	202,600	7.5	91,236	223,646
2030	1,249,929	6.2	77,496	201,095	6.6	82,495	203,264	7.5	93,745	224,379
2031	1,284,302	6.2	79,627	201,430	6.6	84,764	203,603	7.5	96,323	224,753
2032	1,319,620	6.2	81,816	201,411	6.6	87,095	203,583	7.5	98,972	224,731
2033	1,355,910	6.2	84,066	201,002	6.6	89,490	203,170	7.5	101,693	224,275

Valuation Year	Estimated Projected Payroll	L-12 Benefit Program			LT-14(65) Benefit Program			L-6 Benefit Program		
		Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial	Estimated Employer Contribution		Unfunded Actuarial
		As a % of	Annual	Accrued	As a % of	Annual	Accrued	As a % of	Annual	Accrued
		Payroll	Dollars	Liability	Payroll	Dollars	Liability	Payroll	Dollars	Liability
2024	\$ 1,062,171	8.5%	\$90,285	\$ 227,962	8.9%	\$94,533	\$ 238,063	10.4%	\$110,466	\$ 260,483
2025	1,091,381	8.5	92,767	230,149	8.9	97,133	240,347	10.4	113,504	262,982
2026	1,121,394	8.5	95,318	232,110	8.9	99,804	242,395	10.4	116,625	265,223
2027	1,152,232	8.5	97,940	233,819	8.9	102,549	244,180	10.4	119,832	267,176
2028	1,183,918	8.5	100,633	235,248	8.9	105,369	245,672	10.4	123,127	268,809
2029	1,216,476	8.5	103,400	236,366	8.9	108,266	246,840	10.4	126,514	270,087
2030	1,249,929	8.5	106,244	237,141	8.9	111,244	247,649	10.4	129,993	270,972
2031	1,284,302	8.5	109,166	237,536	8.9	114,303	248,062	10.4	133,567	271,423
2032	1,319,620	8.5	112,168	237,513	8.9	117,446	248,038	10.4	137,240	271,397
2033	1,355,910	8.5	115,252	237,031	8.9	120,676	247,534	10.4	141,015	270,846

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 3) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 4) Differences between the date of the initial valuation and the actuarial valuation date of February 28<sup>th</sup> have not been incorporated in the above results.
- 5) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

